ASARCO – EL PASO SPLIT SAMPLING
AUGUST 2009

XENCO LABORATORIES REPORT SUMMARY SHEET

Reference Number	Sample ID	Page
339564	EP-71 (GW), FB-EP-71, EP-51 (GW), EP-81 (GW), EP-80 (GW), FD-1, TB	2 - 99
339571	EP-110 (GW); EP-126 (GW); EP-129 (GW); EP-94 (GW); EP-49 (GW); TB	100-202
339707	SEP-9 (SW); SEP-7(SW); EP-111 (GW); EP-112 (GW); SEP-11 (SW); SEP-3 (SW) FD-2, TB	202-319
339728	EP-62 (GW); EP-66 (GW); EP-5 (GW); EP-6 (GW); EP-7 (GW); SEP-4 (SW); FB; TB	320-408
339902	EP-20 (GW); EP-35 (GW); EP-29 (GW); FD; TB	409-484

FB: Field Blank
FD: Field Duplicate.
TB: Trip Blank

Analytical Report 339564

for

Shaw E&I Midland

Project Manager: John Sullivan

2009 Split Samples

24-AUG-09

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Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

24-AUG-09

Project Manager: **John Sullivan**
Shaw E&I Midland
5801 W. Industrial #2
Midland, TX 79706

Reference: XENCO Report No: **339564**
2009 Split Samples
Project Address: El Paso, TX

John Sullivan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339564. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339564 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EP-71 (GW)	W	Aug-03-09 13:17		339564-001
FB-EP-71	W	Aug-03-09 13:05		339564-002
EP-51 (GW)	W	Aug-03-09 13:55		339564-003
EP-81 (GW)	W	Aug-03-09 14:35		339564-004
EP-80 (GW)	W	Aug-03-09 14:57		339564-005
FD-1	W	Aug-03-09 18:00		339564-006
Trip Blank	W	Aug-03-09 00:00		339564-007

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-71 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-001**	Date Collected: Aug-03-09 13:17	Date Received: Aug-04-09 09:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:25 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	0.017	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.39	0.010	0.200	0.0018	0.036	mg/L	D	20
Cadmium	7440-43-9	0.003	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	404	0.500	10.0	0.2000	4.00	mg/L	D	20
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Cobalt	7440-48-4	0.003	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	5.23	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	198	0.500	10.0	0.2000	4.00	mg/L	D	20
Manganese	7439-96-5	0.018	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.199	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.024	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	20.4	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.286	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.020	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:35 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	0.023	0.006	0.006	0.0050	0.005	mg/L		1
Arsenic	7440-38-2	0.337	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.015	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.159	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-71 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-001**	Date Collected: Aug-03-09 13:17	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 16:46 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.240	1.00	0.300	0.2000	0.200	ug/L	J	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.230	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	1.70	1.00	1.00	0.2000	0.200	ug/L		1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	0.770	1.00	1.00	0.2000	0.200	ug/L	J	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-71 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-001**	Date Collected: Aug-03-09 13:17	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 16:46 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	0.300	1.00	1.00	0.2000	0.200	ug/L	J	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.240	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-71 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-001**	Date Collected: Aug-03-09 13:17	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 11:34 Analyst: KAN Date Prep: Aug-06-09 09:36 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-71 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-001**	Date Collected: Aug-03-09 13:17	Date Received: Aug-04-09 09:45	

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 11:34 Analyst: KAN Date Prep: Aug-06-09 09:36 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0004	0.0001	0.0001	0.0001	0.0001	mg/L		1

Sample Id: **FB-EP-71**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-002**	Date Collected: Aug-03-09 13:05	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 17:08 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	3.13	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	3.91	5.00	10.0	1.000	1.00	ug/L	J	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.380	1.00	0.500	0.2000	0.200	ug/L	J	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	0.250	1.00	1.00	0.2000	0.200	ug/L	J	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	3.49	2.00	1.00	0.4000	0.400	ug/L		1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **FB-EP-71**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-002**	Date Collected: Aug-03-09 13:05	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 17:08 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.670	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	5.67	1.00	1.00	0.2000	0.200	ug/L		1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-51 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-003**	Date Collected: Aug-03-09 13:55	Date Received: Aug-04-09 09:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:45 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.118	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.033	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.908	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	0.028	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	993	0.500	5.00	0.2000	2.00	mg/L	D	10
Chromium	7440-47-3	1.83	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.010	0.005	0.005	0.0010	0.001	mg/L		1
Iron	7439-89-6	14.3	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.009	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	755	0.500	5.00	0.2000	2.00	mg/L	D	10
Manganese	7439-96-5	1.41	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.024	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.326	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	55.0	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.245	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:55 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	0.015	0.006	0.006	0.0050	0.005	mg/L		1
Arsenic	7440-38-2	0.193	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.097	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.324	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-51 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-003**	Date Collected: Aug-03-09 13:55	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:15 Analyst: JUJ Date Prep: Aug-13-09 17:50 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.310	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.220	1.00	0.300	0.2000	0.200	ug/L	J	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.360	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-51 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-003**	Date Collected: Aug-03-09 13:55	Date Received: Aug-04-09 09:45	

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:15 Analyst: JUJ Date Prep: Aug-13-09 17:50 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	0.240	1.00	1.00	0.2000	0.200	ug/L	J	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.210	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-51 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-003**	Date Collected: Aug-03-09 13:55	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 12:12 Analyst: KAN Date Prep: Aug-06-09 09:39 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.003	0.005	0.010	0.0010	0.001	mg/L	J	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-51 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-003**	Date Collected: Aug-03-09 13:55	Date Received: Aug-04-09 09:45	

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 12:12 Analyst: KAN Date Prep: Aug-06-09 09:39 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-81 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-004**	Date Collected: Aug-03-09 14:35	Date Received: Aug-04-09 09:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:49 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.129	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.035	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.718	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	0.001	0.001	0.001	0.0002	0.001	mg/L	J	1
Calcium	7440-70-2	78.0	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.027	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	1.24	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.001	0.002	0.002	0.0010	0.001	mg/L	J	1
Magnesium	7439-95-4	44.2	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.016	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.144	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.006	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	9.23	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.060	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.023	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:59 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	0.006	0.006	0.006	0.0050	0.005	mg/L	J	1
Arsenic	7440-38-2	0.125	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.013	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.031	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-81 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-004**	Date Collected: Aug-03-09 14:35	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:36 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.330	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.260	1.00	0.300	0.2000	0.200	ug/L	J	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.500	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.490	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-81 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-004**	Date Collected: Aug-03-09 14:35	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:36 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	0.230	1.00	1.00	0.2000	0.200	ug/L	J	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.240	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **EP-81 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-004**	Date Collected: Aug-03-09 14:35	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 12:50 Analyst: KAN Date Prep: Aug-06-09 09:42 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Sample Id: **EP-81 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-004**	Date Collected: Aug-03-09 14:35	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 12:50 Analyst: KAN Date Prep: Aug-06-09 09:42 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

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Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-80 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-005**	Date Collected: Aug-03-09 14:57	Date Received: Aug-04-09 09:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:54 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.218	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.047	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.83	0.010	0.200	0.0018	0.036	mg/L	D	20
Cadmium	7440-43-9	0.001	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	180	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.005	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.002	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.65	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	88.6	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	1.51	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.143	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.013	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	15.1	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.021	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.006	0.010	0.010	0.0050	0.005	mg/L	J	1
Vanadium	7440-62-2	0.024	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:04 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.031	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.023	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-80 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-005**	Date Collected: Aug-03-09 14:57	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:57 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.280	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.240	1.00	0.300	0.2000	0.200	ug/L	J	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.870	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.490	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-80 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-005**	Date Collected: Aug-03-09 14:57	Date Received: Aug-04-09 09:45	

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 18:57 Analyst: JUJ Date Prep: Aug-13-09 13:43 Tech: JUJ

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **EP-80 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-005**	Date Collected: Aug-03-09 14:57	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 13:28 Analyst: KAN Date Prep: Aug-06-09 09:45 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.101	0.0095	0.010	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.001	0.005	0.010	0.0010	0.001	mg/L	J	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.051	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **EP-80 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339564-005**	Date Collected: Aug-03-09 14:57	Date Received: Aug-04-09 09:45	

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 13:28 Analyst: KAN Date Prep: Aug-06-09 09:45 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.051	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.051	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.051	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.051	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

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Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **FD-1**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-006**	Date Collected: Aug-03-09 18:00	Date Received: Aug-04-09 09:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:59 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.143	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.036	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.655	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	0.001	0.001	0.001	0.0002	0.001	mg/L	J	1
Calcium	7440-70-2	74.2	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.005	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	1.03	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	39.9	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.013	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.141	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	8.73	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.060	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.023	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:09 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.109	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.012	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.018	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **FD-1**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-006**	Date Collected: Aug-03-09 18:00	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 14:06 Analyst: KAN Date Prep: Aug-06-09 09:48 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **FD-1**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-006**	Date Collected: Aug-03-09 18:00	Date Received: Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 14:06 Analyst: KAN Date Prep: Aug-06-09 09:48 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **FD-1**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-006**	Date Collected: Aug-03-09 18:00	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:33 Analyst: KHM Date Prep: Aug-14-09 18:18 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.370	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.470	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **FD-1**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-006**	Date Collected: Aug-03-09 18:00	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:33 Analyst: KHM Date Prep: Aug-14-09 18:18 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.220	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-007**	Date Collected: Aug-03-09 00:00	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:54 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	2.90	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.210	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339564-007**	Date Collected: Aug-03-09 00:00	Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:54 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-04-09 09:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **535086-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535086-1-BLK** Date Collected: Date Received: Aug-04-09 09:45

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 10:48 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Mercury *	7439-97-6	U	0.0004	0.0004	0.0001	0.0001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	0.020	0.050	0.050	0.0150	0.015	mg/L		1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535307-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535307-1-BLK** Date Collected: Date Received: Aug-04-09 09:45

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **535349-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535349-1-BLK**	Date Collected:	Date Received:	Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:22 Analyst: KHM Date Prep: Aug-13-09 09:47 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535349-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535349-1-BLK** Date Collected: Date Received: Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:22 Analyst: KHM Date Prep: Aug-13-09 09:47 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **535477-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535477-1-BLK** Date Collected: Date Received: Aug-04-09 09:45

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 13:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339564

Shaw E&I Midland, Midland, TX

2009 Split Samples

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:32 Analyst: KHM Date Prep: Aug-14-09 10:27 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	0.290	1.00	1.00	0.2000	0.200	ug/L		1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	1.43	2.00	1.00	0.4000	0.400	ug/L		1

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-04-09 09:45

Analytical Method: **Drinking Water Compounds By GCMS**	% Moist:	Prep Method: 5030B	
Date Anal: Aug-14-09 15:32	Analyst: KHM	Date Prep: Aug-14-09 10:27	Tech: KHM
Anal seq: 768709		Prep seq: 535501	

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Inductively Coupled Plasma Atomic Emi Client : Shaw E&I Midland

Work Order #: 339564 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-80 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
FD-1	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-71 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-81 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-51 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Total Metals by SW6020 Client : Shaw E&I Midland

Work Order #: 339564 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-51 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
FD-1	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-81 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-71 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-80 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Mercury by SW-846 7470A Client : Shaw E&I Midland

Work Order #: 339564 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-81 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-71 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-80 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
FD-1	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-51 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Drinking Water Compounds By GCMS Client : Shaw E&I Midland

Work Order #: 339564 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
FB-EP-71	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P
EP-81 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P
Trip Blank	Aug. 3, 2009	Aug. 4, 2009				Aug.14, 2009	14	11	P
EP-80 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P
FD-1	Aug. 3, 2009	Aug. 4, 2009				Aug.14, 2009	14	11	P
EP-71 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P
EP-51 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Gc/Ms For Semivolatile Organics (Capil | Client : Shaw E&I Midland

Work Order #: 339564 | Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-71 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.11, 2009	40	5	P
EP-80 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.11, 2009	40	5	P
FD-1	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.11, 2009	40	5	P
EP-51 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.11, 2009	40	5	P
EP-81 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.11, 2009	40	5	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

***** Outside XENCO's scope of NELAC Accreditation.

Analytical Log

Analytical Method:	Gc/Ms For Semivolatile Organics (Cap	Batch #:	767962
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
EP-51 (GW)	339564-003	SMP
EP-71 (GW)	339564-001	SMP
EP-80 (GW)	339564-005	SMP
EP-81 (GW)	339564-004	SMP
FD-1	339564-006	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 S	MS
	339571-002 SD	MSD
	339707-006 S	MS
	339707-006 SD	MSD
	535008-1-BKS	BKS
	535008-1-BLK	BLK
	535008-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768392
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
EP-51 (GW)	339564-003	SMP
EP-71 (GW)	339564-001	SMP
EP-80 (GW)	339564-005	SMP
EP-81 (GW)	339564-004	SMP
FD-1	339564-006	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535307-1-BKS	BKS
	535307-1-BLK	BLK
	535307-1-BSD	BSD

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768467
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
EP-51 (GW)	339564-003	SMP
EP-71 (GW)	339564-001	SMP
EP-80 (GW)	339564-005	SMP
EP-81 (GW)	339564-004	SMP
FB-EP-71	339564-002	SMP
	339571-002 S	MS
	339571-002 SD	MSD
	535349-1-BKS	BKS
	535349-1-BLK	BLK

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	768515
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
EP-51 (GW)	339564-003	SMP
EP-51 (GW) DL	339564-003	DL
EP-71 (GW)	339564-001	SMP
EP-71 (GW) DL	339564-001	DL
EP-80 (GW)	339564-005	SMP
EP-80 (GW) DL	339564-005	DL
EP-81 (GW)	339564-004	SMP
EP-81 (GW) DL	339564-004	DL
FD-1	339564-006	SMP
FD-1 DL	339564-006	DL
EP-51 (GW) DL	339564-003	DL
	339571-001 D	MD
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 D	MD
	339571-002 S	MS
	339571-002 SD	MSD
	535086-1-BKS	BKS
	535086-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	768674
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
EP-51 (GW)	339564-003	SMP
EP-71 (GW)	339564-001	SMP
EP-80 (GW)	339564-005	SMP
EP-81 (GW)	339564-004	SMP
FD-1	339564-006	SMP
	339571-001 D	MD
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 D	MD
	339571-002 S	MS
	339571-002 SD	MSD
	535477-1-BKS	BKS
	535477-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768709
Project Name:	2009 Split Samples	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339564

Client Sample Id	Lab Sample Id	QC Types
FD-1	339564-006	SMP
Trip Blank	339564-007	SMP
	339707-006 S	MS
	339707-006 SD	MSD
	535501-1-BKS	BKS
	535501-1-BLK	BLK

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 767962 **Sample:** 535008-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 09:56

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.049	0.050	98	48-120	
2-Fluorophenol	0.032	0.050	64	20-120	
Nitrobenzene-d5	0.044	0.050	88	41-120	
Phenol-d6	0.018	0.050	36	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.029	0.050	58	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 10:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.047	0.050	94	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.026	0.050	52	20-120	
Terphenyl-D14	0.055	0.050	110	51-135	
2,4,6-Tribromophenol	0.041	0.050	82	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 11:12

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.049	0.050	98	41-120	
Phenol-d6	0.025	0.050	50	20-120	
Terphenyl-D14	0.057	0.050	114	51-135	
2,4,6-Tribromophenol	0.042	0.050	84	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 767962 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 17:37

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.050	90	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.047	0.050	94	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.054	0.050	108	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

Lab Batch #: 767962 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 18:15

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.044	0.050	88	48-120	
2-Fluorophenol	0.033	0.050	66	20-120	
Nitrobenzene-d5	0.045	0.050	90	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

Lab Batch #: 767962 **Sample:** 339571-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 19:30

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.058	0.050	116	51-135	
2,4,6-Tribromophenol	0.043	0.050	86	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 767962 **Sample:** 339571-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 20:08

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.043	0.050	86	48-120	
2-Fluorophenol	0.030	0.050	60	20-120	
Nitrobenzene-d5	0.042	0.050	84	41-120	
Phenol-d6	0.022	0.050	44	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.039	0.050	78	42-124	

Lab Batch #: 767962 **Sample:** 339564-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 11:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.024	0.050	48	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.049	0.050	98	51-135	
2,4,6-Tribromophenol	0.031	0.050	62	42-124	

Lab Batch #: 767962 **Sample:** 339564-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 12:12

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.026	0.050	52	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.015	0.050	30	20-120	
Terphenyl-D14	0.049	0.050	98	51-135	
2,4,6-Tribromophenol	0.032	0.050	64	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 767962 **Sample:** 339564-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 12:50

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.021	0.050	42	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.049	0.050	98	51-135	
2,4,6-Tribromophenol	0.032	0.050	64	42-124	

Lab Batch #: 767962 **Sample:** 339564-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 13:28

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.051	88	48-120	
2-Fluorophenol	0.023	0.051	45	20-120	
Nitrobenzene-d5	0.040	0.051	78	41-120	
Phenol-d6	0.013	0.051	25	20-120	
Terphenyl-D14	0.048	0.051	94	51-135	
2,4,6-Tribromophenol	0.030	0.051	59	42-124	

Lab Batch #: 767962 **Sample:** 339564-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 14:06

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.047	0.050	94	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.042	0.050	84	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.049	0.050	98	51-135	
2,4,6-Tribromophenol	0.032	0.050	64	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 767962 **Sample:** 339707-006 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 18:35

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.050	84	48-120	
2-Fluorophenol	0.026	0.050	52	20-120	
Nitrobenzene-d5	0.039	0.050	78	41-120	
Phenol-d6	0.019	0.050	38	20-120	
Terphenyl-D14	0.045	0.050	90	51-135	
2,4,6-Tribromophenol	0.031	0.050	62	42-124	

Lab Batch #: 767962 **Sample:** 339707-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 19:13

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.038	0.050	76	48-120	
2-Fluorophenol	0.025	0.050	50	20-120	
Nitrobenzene-d5	0.035	0.050	70	41-120	
Phenol-d6	0.019	0.050	38	20-120	
Terphenyl-D14	0.041	0.050	82	51-135	
2,4,6-Tribromophenol	0.029	0.050	58	42-124	

Lab Batch #: 768467 **Sample:** 535349-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 12:08

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.140	10.00	91	74-121	
Dibromofluoromethane	9.540	10.00	95	80-120	
1,2-Dichloroethane-D4	10.32	10.00	103	62-139	
Toluene-D8	9.820	10.00	98	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 768467 **Sample:** 535349-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 13:22

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.770	10.00	98	74-121	
Dibromofluoromethane	9.510	10.00	95	80-120	
1,2-Dichloroethane-D4	10.26	10.00	103	62-139	
Toluene-D8	9.720	10.00	97	81-117	

Lab Batch #: 768467 **Sample:** 339571-002 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 14:16

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.410	10.00	94	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	10.26	10.00	103	62-139	
Toluene-D8	9.970	10.00	100	81-117	

Lab Batch #: 768467 **Sample:** 339571-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 15:53

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.050	10.00	91	74-121	
Dibromofluoromethane	10.01	10.00	100	80-120	
1,2-Dichloroethane-D4	10.67	10.00	107	62-139	
Toluene-D8	9.810	10.00	98	81-117	

Lab Batch #: 768467 **Sample:** 339564-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 16:46

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.600	10.00	96	74-121	
Dibromofluoromethane	9.530	10.00	95	80-120	
1,2-Dichloroethane-D4	10.73	10.00	107	62-139	
Toluene-D8	9.850	10.00	99	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 768467 **Sample:** 339564-002 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 17:08

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.980	10.00	100	74-121	
Dibromofluoromethane	8.900	10.00	89	80-120	
1,2-Dichloroethane-D4	10.32	10.00	103	62-139	
Toluene-D8	9.440	10.00	94	81-117	

Lab Batch #: 768467 **Sample:** 339564-003 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 18:15

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.430	10.00	94	74-121	
Dibromofluoromethane	10.09	10.00	101	80-120	
1,2-Dichloroethane-D4	11.74	10.00	117	62-139	
Toluene-D8	9.890	10.00	99	81-117	

Lab Batch #: 768467 **Sample:** 339564-004 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 18:36

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.120	10.00	91	74-121	
Dibromofluoromethane	10.09	10.00	101	80-120	
1,2-Dichloroethane-D4	11.19	10.00	112	62-139	
Toluene-D8	9.830	10.00	98	81-117	

Lab Batch #: 768467 **Sample:** 339564-005 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 18:57

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	8.770	10.00	88	74-121	
Dibromofluoromethane	9.340	10.00	93	80-120	
1,2-Dichloroethane-D4	10.05	10.00	101	62-139	
Toluene-D8	9.900	10.00	99	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 768709 **Sample:** 535501-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 12:31

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.600	10.00	96	74-121	
Dibromofluoromethane	8.960	10.00	90	80-120	
1,2-Dichloroethane-D4	9.030	10.00	90	62-139	
Toluene-D8	10.09	10.00	101	81-117	

Lab Batch #: 768709 **Sample:** 535501-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 15:32

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.120	10.00	91	74-121	
Dibromofluoromethane	9.950	10.00	100	80-120	
1,2-Dichloroethane-D4	10.28	10.00	103	62-139	
Toluene-D8	8.820	10.00	88	81-117	

Lab Batch #: 768709 **Sample:** 339707-006 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:21

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.520	10.00	95	74-121	
Dibromofluoromethane	8.880	10.00	89	80-120	
1,2-Dichloroethane-D4	9.110	10.00	91	62-139	
Toluene-D8	9.760	10.00	98	81-117	

Lab Batch #: 768709 **Sample:** 339707-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:43

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.320	10.00	93	74-121	
Dibromofluoromethane	9.600	10.00	96	80-120	
1,2-Dichloroethane-D4	9.590	10.00	96	62-139	
Toluene-D8	9.610	10.00	96	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Samples

Work Orders : 339564,

Project ID:

Lab Batch #: 768709 **Sample:** 339564-006 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 21:33

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	8.720	10.00	87	74-121	
Dibromofluoromethane	9.970	10.00	100	80-120	
1,2-Dichloroethane-D4	10.46	10.00	105	62-139	
Toluene-D8	9.380	10.00	94	81-117	

Lab Batch #: 768709 **Sample:** 339564-007 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 21:54

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	8.830	10.00	88	74-121	
Dibromofluoromethane	10.56	10.00	106	80-120	
1,2-Dichloroethane-D4	10.30	10.00	103	62-139	
Toluene-D8	9.180	10.00	92	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768515 **Sample:** 535086-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.205	103	75-125	
Barium	<0.001	0.050	0.052	104	75-125	
Beryllium	<0.0006	0.0200	0.0202	101	75-125	
Boron	<0.002	0.020	0.018	90	75-125	
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.10	103	75-125	
Chromium	<0.001	0.050	0.048	96	75-125	
Cobalt	<0.001	0.050	0.048	96	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.054	108	75-125	
Magnesium	<0.200	3.00	2.99	100	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.052	104	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.03	102	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	0.020	1.00	1.09	109	75-125	
Titanium	<0.001	1.00	0.979	98	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Lab Batch #: 768674 **Sample:** 535477-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<0.005	0.020	0.018	90	75-125	
Arsenic	<0.002	0.050	0.049	98	75-125	
Copper	<0.002	0.050	0.051	102	75-125	
Zinc	<0.001	0.050	0.049	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	25.4	51	40-135	
Benzene	<0.200	10.0	8.26	83	81-122	
Bromobenzene	<0.200	10.0	8.97	90	76-124	
Bromochloromethane	<0.200	10.0	9.66	97	65-129	
Bromodichloromethane	<0.200	10.0	8.86	89	76-121	
Bromoform	<0.200	10.0	9.62	96	69-128	
Bromomethane	<0.200	10.0	9.13	91	53-141	
2-Butanone	<1.00	50.0	33.5	67	49-136	
tert-Butylbenzene	<0.200	10.0	8.71	87	70-129	
Sec-Butylbenzene	<0.200	10.0	8.63	86	72-127	
n-Butylbenzene	<0.200	10.0	8.71	87	69-137	
Carbon Disulfide	<0.200	10.0	11.1	111	10-200	
Carbon Tetrachloride	<0.200	10.0	8.85	89	66-138	
Chlorobenzene	<0.200	10.0	8.71	87	81-122	
Chloroethane	<0.200	10.0	7.79	78	58-133	
Chloroform	<0.200	10.0	8.40	84	69-128	
1-Chlorohexane	<0.200	10.0	8.78	88	70-125	
Chloromethane	<0.200	10.0	7.41	74	56-131	
4-Chlorotoluene	<0.200	10.0	8.24	82	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	8.43	84	50-132	
Dibromochloromethane	<0.200	10.0	7.92	79	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	8.23	82	80-121	
Dibromomethane	<0.200	10.0	8.99	90	76-125	
Cyclohexane	<2.00	10.0	7.25	73	10-200	
1,2-Dichlorobenzene	<0.200	10.0	8.64	86	71-133	
1,3-Dichlorobenzene	<0.200	10.0	9.31	93	75-124	
1,4-Dichlorobenzene	<0.200	10.0	8.02	80	74-123	
Dichlorodifluoromethane	<0.200	10.0	7.58	76	53-153	
1,1-Dichloroethane	<0.200	10.0	9.03	90	69-133	
1,2-Dichloroethane	<0.200	10.0	8.12	81	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.50	95	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.41	84	63-137	
1,1-Dichloroethene	<0.200	10.0	9.23	92	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	8.98	90	75-125	
1,3-Dichloropropane	<0.200	10.0	8.49	85	73-126	
2,2-Dichloropropane	<0.200	10.0	8.21	82	69-137	
1,1-Dichloropropene	<0.200	10.0	8.61	86	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	8.36	84	69-131	
trans-1,3-dichloropropene	<0.200	10.0	7.66	77	59-135	
Ethylbenzene	<0.200	10.0	8.45	85	73-127	
Hexachlorobutadiene	<0.200	10.0	8.03	80	67-131	
2-Hexanone	<1.00	50.0	34.5	69	50-150	
isopropylbenzene	<0.200	10.0	8.52	85	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	8.91	89	73-130	
Methylene Chloride	<0.400	10.0	9.53	95	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	8.33	83	58-134	
MTBE	<0.200	10.0	8.73	87	65-123	
Naphthalene	<0.200	10.0	9.08	91	54-138	
n-Propylbenzene	<0.200	10.0	9.24	92	72-129	
Styrene	<0.200	10.0	8.55	86	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	8.71	87	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	8.54	85	63-128	
Tetrachloroethylene	<0.200	10.0	8.95	90	66-128	
Toluene	<0.200	10.0	7.76	78	77-122	
Methyl Acetate	<0.500	10.0	8.67	87	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	9.52	95	67-137	
Methylcyclohexane	<0.500	10.0	7.38	74	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	9.58	96	66-134	
1,1,1-Trichloroethane	<0.200	10.0	9.13	91	67-132	
1,1,2-Trichloroethane	<0.200	10.0	8.71	87	75-125	
Trichloroethene	<0.200	10.0	8.47	85	70-127	
Trichlorofluoromethane	<0.200	10.0	8.02	80	57-129	
1,2,3-Trichloropropane	<0.200	10.0	9.09	91	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	8.51	85	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	8.54	85	74-131	
Vinyl Chloride	<0.200	10.0	7.59	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	8.43	84	80-121	
m,p-Xylenes	<0.400	20.0	17.9	90	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	8.84	88	67-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	38.8	78	40-135	
Benzene	<0.200	10.0	8.19	82	81-122	
Bromobenzene	<0.200	10.0	9.50	95	76-124	
Bromochloromethane	<0.200	10.0	9.86	99	65-129	
Bromodichloromethane	<0.200	10.0	9.51	95	76-121	
Bromoform	<0.200	10.0	10.5	105	69-128	
Bromomethane	<0.200	10.0	8.78	88	53-141	
2-Butanone	<1.00	50.0	45.8	92	49-136	
tert-Butylbenzene	<0.200	10.0	8.80	88	70-129	
Sec-Butylbenzene	<0.200	10.0	8.78	88	72-127	
n-Butylbenzene	<0.200	10.0	8.43	84	69-137	
Carbon Disulfide	0.290	10.0	10.1	101	10-200	
Carbon Tetrachloride	<0.200	10.0	8.42	84	66-138	
Chlorobenzene	<0.200	10.0	9.44	94	81-122	
Chloroethane	<0.200	10.0	7.23	72	58-133	
Chloroform	<0.200	10.0	8.29	83	69-128	
1-Chlorohexane	<0.200	10.0	9.88	99	70-125	
Chloromethane	<0.200	10.0	7.07	71	56-131	
4-Chlorotoluene	<0.200	10.0	8.98	90	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.57	96	50-132	
Dibromochloromethane	<0.200	10.0	9.51	95	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.12	91	80-121	
Dibromomethane	<0.200	10.0	9.53	95	76-125	
Cyclohexane	<2.00	10.0	7.36	74	10-200	
1,2-Dichlorobenzene	<0.200	10.0	8.69	87	71-133	
1,3-Dichlorobenzene	<0.200	10.0	9.66	97	75-124	
1,4-Dichlorobenzene	<0.200	10.0	8.55	86	74-123	
Dichlorodifluoromethane	<0.200	10.0	8.15	82	53-153	
1,1-Dichloroethane	<0.200	10.0	9.05	91	69-133	
1,2-Dichloroethane	<0.200	10.0	8.50	85	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.27	93	72-126	
trans-1,2-dichloroethene	<0.200	10.0	7.85	79	63-137	
1,1-Dichloroethene	<0.200	10.0	8.78	88	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	9.24	92	75-125	
1,3-Dichloropropane	<0.200	10.0	9.37	94	73-126	
2,2-Dichloropropane	<0.200	10.0	8.40	84	69-137	
1,1-Dichloropropene	<0.200	10.0	8.38	84	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	8.75	88	69-131	
trans-1,3-dichloropropene	<0.200	10.0	8.82	88	59-135	
Ethylbenzene	<0.200	10.0	8.97	90	73-127	
Hexachlorobutadiene	<0.200	10.0	7.69	77	67-131	
2-Hexanone	<1.00	50.0	44.3	89	50-150	
isopropylbenzene	<0.200	10.0	9.06	91	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	9.01	90	73-130	
Methylene Chloride	1.43	10.0	9.74	97	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	9.83	98	58-134	
MTBE	<0.200	10.0	8.96	90	65-123	
Naphthalene	<0.200	10.0	9.44	94	54-138	
n-Propylbenzene	<0.200	10.0	8.91	89	72-129	
Styrene	<0.200	10.0	9.18	92	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	8.98	90	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	9.92	99	66-128	
Toluene	<0.200	10.0	7.90	79	77-122	
Methyl Acetate	<0.500	10.0	8.66	87	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	8.90	89	67-137	
Methylcyclohexane	<0.500	10.0	7.13	71	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	9.19	92	66-134	
1,1,1-Trichloroethane	<0.200	10.0	8.77	88	67-132	
1,1,2-Trichloroethane	<0.200	10.0	9.52	95	75-125	
Trichloroethene	<0.200	10.0	8.76	88	70-127	
Trichlorofluoromethane	<0.200	10.0	7.58	76	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.2	102	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	8.70	87	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	8.55	86	74-131	
Vinyl Chloride	<0.200	10.0	7.04	70	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	8.96	90	80-121	
m,p-Xylenes	<0.400	20.0	19.4	97	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	9.84	98	67-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768392 **Sample:** 535307-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Samples

Work Order #: 339564 **Project ID:**

Analyst: KAN **Date Prepared:** 08/06/2009 **Date Analyzed:** 08/07/2009

Lab Batch ID: 767962 **Sample:** 535008-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.001	0.050	0.044	88	0.05	0.046	92	4	47-120	20	
Acenaphthylene	<0.001	0.050	0.044	88	0.05	0.046	92	4	50-120	20	
Anthracene	<0.001	0.050	0.046	92	0.05	0.047	94	2	54-120	20	
Benzo(a)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	56-100	20	
Benzo(a)pyrene	<0.001	0.050	0.051	102	0.05	0.053	106	4	53-120	20	
Benzo(b)fluoranthene	<0.001	0.050	0.048	96	0.05	0.052	104	8	45-124	20	
Benzo(k)fluoranthene	<0.001	0.050	0.051	102	0.05	0.052	104	2	45-124	20	
Benzo(g,h,i)perylene	<0.001	0.050	0.042	84	0.05	0.044	88	5	38-123	20	
Benzoic Acid	<0.009	0.150	0.105	70	0.15	0.107	71	2	20-120	20	
Benzyl Alcohol	<0.001	0.050	0.042	84	0.05	0.046	92	9	30-120	20	
Benzyl Butyl Phthalate	<0.001	0.050	0.053	106	0.05	0.056	112	6	46-120	20	
bis(2-chloroethoxy) methane	<0.001	0.050	0.042	84	0.05	0.042	84	0	46-120	20	
bis(2-chloroethyl) ether	<0.001	0.050	0.041	82	0.05	0.043	86	5	37-120	20	
bis(2-chloroisopropyl) ether	<0.001	0.050	0.036	72	0.05	0.035	70	3	26-131	20	
bis(2-ethylhexyl) phthalate	<0.001	0.050	0.045	90	0.05	0.046	92	2	42-126	20	
4-Bromophenyl-phenylether	<0.001	0.050	0.046	92	0.05	0.048	96	4	52-120	20	
4-chloro-3-methylphenol	<0.001	0.050	0.048	96	0.05	0.041	82	16	47-120	20	
4-Chloroaniline	<0.001	0.050	0.054	108	0.05	0.063	126	15	20-120	20	H
2-Chloronaphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	49-120	20	
2-Chlorophenol	<0.001	0.050	0.044	88	0.05	0.046	92	4	37-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Samples

Work Order #: 339564
Analyst: KAN
Date Prepared: 08/06/2009
Project ID:
Date Analyzed: 08/07/2009
Lab Batch ID: 767962
Sample: 535008-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorophenyl Phenyl Ether	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Chrysene	<0.001	0.050	0.050	100	0.05	0.053	106	6	55-120	20	
Dibenz(a,h)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	42-127	20	
Dibenzofuran	<0.001	0.050	0.046	92	0.05	0.048	96	4	54-120	20	
di-n-Butyl Phthalate	<0.003	0.050	0.044	88	0.05	0.046	92	4	54-120	20	
3,3-Dichlorobenzidine	<0.002	0.050	0.055	110	0.05	0.062	124	12	20-120	20	H
2,4-Dichlorophenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	48-120	20	
Diethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.047	94	2	41-120	20	
Dimethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.048	96	4	25-127	20	
2,4-Dimethylphenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	28-120	20	
4,6-dinitro-2-methyl phenol	<0.001	0.050	0.043	86	0.05	0.047	94	9	40-137	20	
2,4-Dinitrophenol	<0.001	0.050	0.043	86	0.05	0.034	68	23	25-130	20	F
2,4-Dinitrotoluene	<0.001	0.050	0.047	94	0.05	0.049	98	4	51-120	20	
2,6-Dinitrotoluene	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-120	20	
di-n-Octyl Phthalate	<0.001	0.050	0.048	96	0.05	0.049	98	2	37-137	20	
Fluoranthene	<0.001	0.050	0.045	90	0.05	0.047	94	4	54-120	20	
Fluorene	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Hexachlorobenzene	<0.001	0.050	0.047	94	0.05	0.049	98	4	52-120	20	
Hexachlorobutadiene	<0.001	0.050	0.037	74	0.05	0.040	80	8	27-120	20	
Hexachlorocyclopentadiene	<0.001	0.050	0.044	88	0.05	0.046	92	4	41-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Samples

Work Order #: 339564
Analyst: KAN
Date Prepared: 08/06/2009
Project ID:
Date Analyzed: 08/07/2009
Lab Batch ID: 767962
Sample: 535008-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachloroethane	<0.001	0.050	0.033	66	0.05	0.036	72	9	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.001	0.050	0.048	96	0.05	0.050	100	4	43-125	20	
Isophorone	<0.001	0.050	0.052	104	0.05	0.055	110	6	50-120	20	
2-Methylnaphthalene	<0.001	0.050	0.050	100	0.05	0.051	102	2	46-120	20	
2-methylphenol	<0.001	0.050	0.043	86	0.05	0.044	88	2	38-120	20	
3&4-Methylphenol	<0.002	0.100	0.087	87	0.1	0.088	88	1	32-120	20	
Naphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	39-120	20	
2-Nitroaniline	<0.001	0.050	0.043	86	0.05	0.044	88	2	48-120	20	
3-Nitroaniline	<0.002	0.050	0.048	96	0.05	0.056	112	15	20-126	20	
4-Nitroaniline	<0.001	0.050	0.061	122	0.05	0.064	128	5	36-120	20	H
Nitrobenzene	<0.001	0.050	0.044	88	0.05	0.046	92	4	44-120	20	
2-Nitrophenol	<0.001	0.050	0.051	102	0.05	0.053	106	4	39-123	20	
4-Nitrophenol	<0.001	0.050	0.035	70	0.05	0.035	70	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.001	0.050	0.056	112	0.05	0.057	114	2	34-128	20	
N-Nitrosodiphenylamine	<0.002	0.050	0.038	76	0.05	0.040	80	5	48-120	20	
Pentachlorophenol	<0.001	0.050	0.025	50	0.05	0.028	56	11	38-120	20	
Phenanthrene	<0.001	0.050	0.045	90	0.05	0.047	94	4	51-120	20	
Phenol	<0.001	0.050	0.030	60	0.05	0.031	62	3	20-120	20	
Pyrene	<0.001	0.050	0.056	112	0.05	0.059	118	5	49-128	20	
2,4,5-Trichlorophenol	<0.001	0.050	0.042	84	0.05	0.042	84	0	49-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Samples

Work Order #: 339564
Analyst: KAN
Date Prepared: 08/06/2009
Project ID:
Date Analyzed: 08/07/2009
Lab Batch ID: 767962
Sample: 535008-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768392 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR

Reporting Units: mg/L

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Mercury by SW-846 7470A **Analytes**	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Mercury	<0.0001	0.0010	0.0010	100	0.0010	0.0010	100	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.044	88	0.050	0.043	86	2	47-120	20	
Acenaphthylene	<0.010	0.050	0.044	88	0.050	0.043	86	2	50-120	20	
Anthracene	<0.010	0.050	0.044	88	0.050	0.043	86	2	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.049	98	0.050	0.048	96	2	56-100	20	
Benzo(a)pyrene	<0.010	0.050	0.050	100	0.050	0.049	98	2	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.048	96	0.050	0.047	94	2	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.050	100	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.041	82	9	38-123	20	
Benzoic Acid	<0.100	0.150	0.106	71	0.150	0.103	69	3	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.040	80	7	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.053	106	0.050	0.052	104	2	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.041	82	0.050	0.040	80	2	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.038	76	8	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.035	70	0.050	0.037	74	6	26-131	20	
bis(2-ethylhexyl) phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.045	90	0.050	0.044	88	2	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.050	100	0.050	0.048	96	4	47-120	20	
4-Chloroaniline	<0.020	0.050	0.043	86	0.050	0.045	90	5	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2-Chlorophenol	<0.010	0.050	0.042	84	0.050	0.041	82	2	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.046	92	0.050	0.044	88	4	50-120	20	
Chrysene	<0.010	0.050	0.051	102	0.050	0.050	100	2	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.046	92	0.050	0.044	88	4	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.034	68	0.050	0.033	66	3	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.048	96	0.050	0.048	96	0	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.045	90	0.050	0.045	90	0	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.046	92	0.050	0.045	90	2	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.035	70	0.050	0.029	58	19	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.042	84	0.050	0.043	86	2	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.039	78	0.050	0.041	82	5	25-130	20	
2,4-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.045	90	2	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.044	88	0.050	0.044	88	0	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.048	96	0.050	0.048	96	0	37-137	20	
Fluoranthene	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
Fluorene	<0.010	0.050	0.046	92	0.050	0.045	90	2	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.044	88	0.050	0.042	84	5	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.044	88	0.050	0.043	86	2	41-125	20	
Hexachloroethane	<0.010	0.050	0.040	80	0.050	0.038	76	5	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.047	94	0.050	0.045	90	4	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.050	100	6	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.052	104	0.050	0.050	100	4	46-120	20	
2-methylphenol	<0.010	0.050	0.039	78	0.050	0.039	78	0	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.080	80	0.100	0.079	79	1	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.045	90	0.050	0.044	88	2	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.046	92	0.050	0.047	94	2	20-126	20	
4-Nitroaniline	<0.050	0.050	0.049	98	0.050	0.050	100	2	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.042	84	5	44-120	20	
2-Nitrophenol	<0.010	0.050	0.049	98	0.050	0.048	96	2	39-123	20	
4-Nitrophenol	<0.050	0.050	0.034	68	0.050	0.034	68	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.056	112	0.050	0.054	108	4	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.037	74	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.024	48	0.050	0.028	56	15	38-120	20	
Phenanthrene	<0.010	0.050	0.045	90	0.050	0.044	88	2	51-120	20	
Phenol	<0.010	0.050	0.028	56	0.050	0.028	56	0	20-120	20	
Pyrene	<0.010	0.050	0.056	112	0.050	0.054	108	4	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.041	82	0.050	0.041	82	0	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.044	88	0.050	0.043	86	2	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.045	90	0.050	0.042	84	7	47-120	20	
Acenaphthylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	50-120	20	
Anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.051	102	0.050	0.048	96	6	56-100	20	X
Benzo(a)pyrene	<0.010	0.050	0.051	102	0.050	0.048	96	6	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.049	98	0.050	0.046	92	6	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.046	92	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	38-123	20	
Benzoic Acid	<0.100	0.150	0.111	74	0.150	0.109	73	2	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.039	78	10	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.055	110	0.050	0.052	104	6	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.042	84	0.050	0.039	78	7	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.036	72	13	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.039	78	0.050	0.035	70	11	26-131	20	
bis(2-ethylhexyl) phthalate	0.065	0.050	0.090	50	0.050	0.087	44	3	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.046	92	0.050	0.043	86	7	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.037	74	0.050	0.034	68	8	47-120	20	
4-Chloroaniline	<0.020	0.050	0.053	106	0.050	0.050	100	6	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.041	82	7	49-120	20	
2-Chlorophenol	<0.010	0.050	0.043	86	0.050	0.038	76	12	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Chrysene	<0.010	0.050	0.039	78	0.050	0.036	72	8	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.043	86	0.050	0.041	82	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.047	94	0.050	0.044	88	7	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.045	90	0.050	0.042	84	7	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.032	64	0.050	0.034	68	6	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.051	102	0.050	0.047	94	8	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.044	88	7	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.045	90	4	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.044	88	0.050	0.045	90	2	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.045	90	0.050	0.042	84	7	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.033	66	0.050	0.041	82	22	25-130	20	F
2,4-Dinitrotoluene	<0.010	0.050	0.047	94	0.050	0.044	88	7	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.043	86	7	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.049	98	0.050	0.046	92	6	37-137	20	
Fluoranthene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Fluorene	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.045	90	0.050	0.040	80	12	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.045	90	0.050	0.043	86	5	41-125	20	
Hexachloroethane	<0.010	0.050	0.041	82	0.050	0.036	72	13	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.049	98	8	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.053	106	0.050	0.049	98	8	46-120	20	
2-methylphenol	<0.010	0.050	0.041	82	0.050	0.039	78	5	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.083	83	0.100	0.079	79	5	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.046	92	0.050	0.042	84	9	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.050	100	0.050	0.048	96	4	20-126	20	
4-Nitroaniline	<0.050	0.050	0.052	104	0.050	0.056	112	7	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.040	80	10	44-120	20	
2-Nitrophenol	<0.010	0.050	0.050	100	0.050	0.046	92	8	39-123	20	
4-Nitrophenol	<0.050	0.050	0.036	72	0.050	0.034	68	6	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.057	114	0.050	0.053	106	7	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.035	70	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.028	56	0.050	0.028	56	0	38-120	20	
Phenanthrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	51-120	20	
Phenol	<0.010	0.050	0.029	58	0.050	0.027	54	7	20-120	20	
Pyrene	<0.010	0.050	0.058	116	0.050	0.055	110	5	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.045	90	0.050	0.042	84	7	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.038	76	0.050	0.036	72	5	47-120	20	
Acenaphthylene	<0.010	0.050	0.039	78	0.050	0.036	72	8	50-120	20	
Anthracene	<0.010	0.050	0.038	76	0.050	0.035	70	8	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.041	82	0.050	0.038	76	8	56-100	20	
Benzo(a)pyrene	<0.010	0.050	0.042	84	0.050	0.038	76	10	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.038	76	0.050	0.033	66	14	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.043	86	0.050	0.040	80	7	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.042	84	0.050	0.038	76	10	38-123	20	
Benzoic Acid	<0.100	0.150	0.104	69	0.150	0.105	70	1	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.034	68	0.050	0.032	64	6	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.046	92	0.050	0.042	84	9	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.036	72	0.050	0.033	66	9	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.032	64	0.050	0.030	60	6	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.034	68	0.050	0.031	62	9	26-131	20	
bis(2-ethylhexyl) phthalate	<0.010	0.050	0.042	84	0.050	0.040	80	5	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.037	74	0.050	0.034	68	8	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.039	78	0.050	0.037	74	5	47-120	20	
4-Chloroaniline	<0.020	0.050	0.040	80	0.050	0.035	70	13	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.040	80	0.050	0.038	76	5	49-120	20	
2-Chlorophenol	<0.010	0.050	0.035	70	0.050	0.033	66	6	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.038	76	0.050	0.035	70	8	50-120	20	
Chrysene	<0.010	0.050	0.045	90	0.050	0.042	84	7	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.041	82	0.050	0.037	74	10	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.038	76	0.050	0.036	72	5	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.040	80	0.050	0.036	72	11	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.020	40	0.050	0.020	40	0	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.040	80	0.050	0.037	74	8	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.040	80	0.050	0.037	74	8	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.038	76	0.050	0.036	72	5	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.046	92	0.050	0.044	88	4	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.033	66	0.050	0.030	60	10	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.040	80	0.050	0.037	74	8	25-130	20	
2,4-Dinitrotoluene	<0.010	0.050	0.038	76	0.050	0.035	70	8	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.037	74	0.050	0.035	70	6	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.042	84	0.050	0.039	78	7	37-137	20	
Fluoranthene	<0.010	0.050	0.038	76	0.050	0.035	70	8	54-120	20	
Fluorene	<0.010	0.050	0.038	76	0.050	0.036	72	5	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.038	76	0.050	0.035	70	8	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.038	76	0.050	0.035	70	8	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.037	74	0.050	0.034	68	8	41-125	20	
Hexachloroethane	<0.010	0.050	0.033	66	0.050	0.030	60	10	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.043	86	0.050	0.040	80	7	43-125	20	
Isophorone	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.047	94	0.050	0.044	88	7	46-120	20	
2-methylphenol	<0.010	0.050	0.035	70	0.050	0.033	66	6	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.073	73	0.100	0.071	71	3	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.040	80	0.050	0.037	74	8	39-120	20	
2-Nitroaniline	<0.050	0.050	0.035	70	0.050	0.032	64	9	48-120	20	
3-Nitroaniline	<0.050	0.050	0.037	74	0.050	0.033	66	11	20-126	20	
4-Nitroaniline	<0.050	0.050	0.032	64	0.050	0.029	58	10	36-120	20	
Nitrobenzene	<0.010	0.050	0.036	72	0.050	0.034	68	6	44-120	20	
2-Nitrophenol	<0.010	0.050	0.041	82	0.050	0.037	74	10	39-123	20	
4-Nitrophenol	<0.050	0.050	0.035	70	0.050	0.036	72	3	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.046	92	0.050	0.044	88	4	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.032	64	0.050	0.029	58	10	48-120	20	
Pentachlorophenol	<0.050	0.050	0.028	56	0.050	0.027	54	4	38-120	20	
Phenanthrene	<0.010	0.050	0.039	78	0.050	0.036	72	8	51-120	20	
Phenol	<0.010	0.050	0.025	50	0.050	0.025	50	0	20-120	20	
Pyrene	<0.010	0.050	0.048	96	0.050	0.044	88	9	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.039	78	0.050	0.030	60	26	49-120	20	F
2,4,6-Trichlorophenol	<0.010	0.050	0.036	72	0.050	0.033	66	9	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.039	0.200	0.249	105	0.200	0.241	101	3	75-125	25	
Antimony	0.008	0.020	0.031	115	0.020	0.030	110	3	75-125	25	
Arsenic	0.022	0.050	0.076	108	0.050	0.075	106	1	75-125	25	
Barium	0.069	0.050	0.095	52	0.050	0.092	46	3	75-125	25	X
Beryllium	<0.0010	0.0200	0.0162	81	0.0200	0.0160	80	1	75-125	25	
Boron	0.474	0.020	0.496	110	0.020	0.491	85	1	75-125	25	
Cadmium	0.005	0.020	0.024	95	0.020	0.024	95	0	75-125	25	
Calcium	156	3.00	158	67	3.00	156	0	1	75-125	25	X
Chromium	0.002	0.050	0.049	94	0.050	0.049	94	0	75-125	25	
Cobalt	<0.005	0.050	0.047	94	0.050	0.047	94	0	75-125	25	
Copper	0.041	0.050	0.072	62	0.050	0.071	60	1	75-125	25	X
Iron	1.79	0.200	2.01	110	0.200	2.08	145	3	75-125	25	X
Lead	0.002	0.050	0.053	102	0.050	0.052	100	2	75-125	25	
Magnesium	73.0	3.00	76.4	113	3.00	75.5	83	1	75-125	25	
Manganese	0.002	0.050	0.050	96	0.050	0.049	94	2	75-125	25	
Molybdenum	0.007	0.050	0.059	104	0.050	0.059	104	0	75-125	25	
Nickel	0.004	0.050	0.053	98	0.050	0.052	96	2	75-125	25	
Potassium	22.2	2.00	24.1	95	2.00	23.8	80	1	75-125	25	
Selenium	0.022	0.050	0.069	94	0.050	0.068	92	1	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.017	85	6	75-125	25	
Thallium	<0.003	0.050	0.035	70	0.050	0.038	76	8	75-125	25	X
Tin	0.020	1.00	1.07	105	1.00	1.06	104	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	0.994	99	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.015	0.050	0.063	96	0.050	0.061	92	3	75-125	25	
Zinc	0.031	0.050	0.077	92	0.050	0.077	92	0	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.025	0.200	0.235	105	0.200	0.243	109	3	75-125	25	
Antimony	<0.006	0.020	0.031	155	0.020	0.031	155	0	75-125	25	X
Arsenic	0.052	0.050	0.103	102	0.050	0.105	106	2	75-125	25	
Barium	0.035	0.050	0.088	106	0.050	0.089	108	1	75-125	25	
Beryllium	<0.0010	0.0200	0.0128	64	0.0200	0.0127	64	1	75-125	25	X
Boron	2.38	0.020	2.43	250	0.020	2.43	250	0	75-125	25	X
Cadmium	0.006	0.020	0.025	95	0.020	0.025	95	0	75-125	25	
Calcium	262	3.00	270	267	3.00	268	200	1	75-125	25	X
Chromium	0.611	0.050	0.665	108	0.050	0.673	124	1	75-125	25	
Cobalt	0.001	0.050	0.049	96	0.050	0.050	98	2	75-125	25	
Copper	0.031	0.050	0.080	98	0.050	0.085	108	6	75-125	25	
Iron	3.54	0.200	3.76	110	0.200	3.93	195	4	75-125	25	X
Lead	<0.002	0.050	0.054	108	0.050	0.054	108	0	75-125	25	
Magnesium	138	3.00	141	100	3.00	145	233	3	75-125	25	X
Manganese	0.003	0.050	0.051	96	0.050	0.052	98	2	75-125	25	
Molybdenum	0.145	0.050	0.198	106	0.050	0.200	110	1	75-125	25	
Nickel	0.015	0.050	0.064	98	0.050	0.065	100	2	75-125	25	
Potassium	51.7	2.00	54.5	140	2.00	54.5	140	0	75-125	25	X
Selenium	0.942	0.050	0.984	84	0.050	1.00	116	2	75-125	25	
Silver	<0.002	0.020	0.017	85	0.020	0.018	90	6	75-125	25	
Thallium	0.003	0.050	0.038	70	0.050	0.043	80	12	75-125	25	X
Tin	<0.050	1.00	1.06	106	1.00	1.07	107	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	1.03	103	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.013	0.050	0.065	104	0.050	0.068	110	5	75-125	25	
Zinc	0.053	0.050	0.098	90	0.050	0.101	96	3	75-125	25	

Lab Batch ID: 768674 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	0.026	130	0.020	0.026	130	0	75-125	25	X
Arsenic	0.018	0.050	0.067	98	0.050	0.068	100	1	75-125	25	
Copper	0.017	0.050	0.063	92	0.050	0.064	94	2	75-125	25	
Zinc	0.021	0.050	0.064	86	0.050	0.064	86	0	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768674 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	<0.006	0	0.020	<0.006	0	NC	75-125	25	X
Arsenic	0.048	0.050	0.049	2	0.050	0.048	0	2	75-125	25	X
Copper	0.028	0.050	0.029	2	0.050	0.029	2	0	75-125	25	X
Zinc	0.045	0.050	0.045	0	0.050	0.045	0	0	75-125	25	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	38.2	76	50.0	73.9	148	64	40-135	40.2	XF
Benzene	<0.400	10.0	8.55	86	10.0	7.02	70	20	81-122	21	X
Bromobenzene	<1.00	10.0	8.70	87	10.0	7.42	74	16	76-124	20	X
Bromochloromethane	<1.00	10.0	10.5	105	10.0	9.14	91	14	65-129	20	
Bromodichloromethane	0.310	10.0	9.62	93	10.0	7.95	76	19	76-121	20	
Bromoform	0.240	10.0	9.94	97	10.0	10.4	102	5	69-128	20	
Bromomethane	<3.00	10.0	8.75	88	10.0	4.49	45	64	53-141	20	XF
2-Butanone	<10.0	50.0	45.6	91	50.0	84.8	170	60	49-136	20	XF
tert-Butylbenzene	<1.00	10.0	9.04	90	10.0	7.46	75	19	70-129	20	
Sec-Butylbenzene	<1.00	10.0	8.96	90	10.0	7.42	74	19	72-127	20	
n-Butylbenzene	<1.00	10.0	8.86	89	10.0	7.87	79	12	69-137	20	
Carbon Disulfide	<1.00	100	9.55	10	100	8.40	8	13	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	8.60	86	10.0	7.05	71	20	66-138	20	
Chlorobenzene	<1.00	10.0	9.47	95	10.0	7.52	75	23	81-122	21	XF
Chloroethane	<0.500	10.0	7.04	70	10.0	4.68	47	40	58-133	20	XF
Chloroform	0.350	10.0	9.40	91	10.0	7.39	70	24	69-128	20	F
1-Chlorohexane	<1.00	10.0	9.72	97	10.0	7.43	74	27	70-125	20	F
Chloromethane	0.320	10.0	7.75	74	10.0	5.62	53	32	56-131	20	XF
4-Chlorotoluene	<1.00	10.0	8.76	88	10.0	7.01	70	22	74-128	20	XF
1,2-Dibromo-3-Chloropropane	<2.00	10.0	10.3	103	10.0	17.5	175	52	50-132	28	XF
Dibromochloromethane	0.390	10.0	9.60	92	10.0	8.46	81	13	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	9.59	96	10.0	9.46	95	1	80-121	20	
Dibromomethane	<1.00	10.0	9.97	100	10.0	9.52	95	5	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	8.69	87	10.0	7.62	76	13	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	9.69	97	10.0	7.96	80	20	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	8.10	81	10.0	6.83	68	17	74-123	20	X
Dichlorodifluoromethane	<1.00	10.0	8.71	87	10.0	5.75	58	41	53-153	23	F
1,1-Dichloroethane	<1.00	10.0	9.21	92	10.0	7.67	77	18	69-133	20	
1,2-Dichloroethane	<0.500	10.0	8.97	90	10.0	8.19	82	9	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	9.96	100	10.0	7.90	79	23	72-126	20	F
trans-1,2-dichloroethene	<1.00	10.0	8.07	81	10.0	6.80	68	17	63-137	20	
1,1-Dichloroethene	<1.00	10.0	9.78	98	10.0	7.67	77	24	68-130	22	F
1,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	7.79	78	20	75-125	20	
1,3-Dichloropropane	<0.400	10.0	9.41	94	10.0	8.82	88	6	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.18	92	10.0	7.22	72	24	69-137	20	F
1,1-Dichloropropene	<1.00	10.0	8.92	89	10.0	6.98	70	24	73-132	20	XF
cis-1,3-Dichloropropene	<0.500	10.0	8.50	85	10.0	7.03	70	19	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	8.52	85	10.0	7.86	79	8	59-135	20	
Ethylbenzene	<1.00	10.0	9.17	92	10.0	7.24	72	24	73-127	20	XF
Hexachlorobutadiene	<0.600	10.0	8.44	84	10.0	8.67	87	3	67-131	20	
2-Hexanone	<1.00	100	43.9	44	100	71.8	72	48	50-150	24.5	XF
isopropylbenzene	<1.00	10.0	9.05	91	10.0	7.45	75	19	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	9.18	92	10.0	7.80	78	16	73-130	20	
Methylene Chloride	<1.00	10.0	9.89	99	10.0	8.11	81	20	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	11.9	119	10.0	16.7	167	34	58-134	25	XF
MTBE	<5.00	10.0	9.79	98	10.0	8.92	89	9	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	10.0	100	10.0	13.0	130	26	54-138	20	F
n-Propylbenzene	<1.00	10.0	9.03	90	10.0	7.61	76	17	72-129	20	
Styrene	<1.00	10.0	9.01	90	10.0	6.84	68	27	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	8.97	90	10.0	7.80	78	14	81-129	20	X
1,1,2,2-Tetrachloroethane	<0.500	10.0	10.2	102	10.0	11.1	111	8	63-128	31	
Tetrachloroethylene	<1.00	10.0	9.88	99	10.0	8.01	80	21	66-128	20	F
Toluene	0.470	10.0	8.53	81	10.0	7.05	66	19	77-122	21	X
1,2,3-Trichlorobenzene	<1.00	10.0	9.73	97	10.0	10.7	107	9	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	8.93	89	10.0	9.47	95	6	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	9.35	94	10.0	7.09	71	27	67-132	20	F
1,1,2-Trichloroethane	<1.00	10.0	10.2	102	10.0	8.95	90	13	75-125	20	
Trichloroethene	<1.00	10.0	8.90	89	10.0	7.55	76	16	70-127	24	
Trichlorofluoromethane	<1.00	10.0	8.46	85	10.0	5.88	59	36	57-129	20	F
1,2,3-Trichloropropane	<1.00	10.0	10.9	109	10.0	12.5	125	14	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	8.73	87	10.0	7.16	72	20	74-132	20	X
1,3,5-trimethylbenzene	<1.00	10.0	8.58	86	10.0	7.31	73	16	74-131	20	X
Vinyl Chloride	<1.00	10.0	7.51	75	10.0	5.71	57	27	50-134	20	F
o-Xylene	<1.00	10.0	9.00	90	10.0	7.45	75	19	80-121	20	X
m,p-Xylenes	<2.00	20.0	19.0	95	20.0	15.6	78	20	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	10.3	103	10.0	8.19	82	23	67-125	20	F

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	21.2	42	50.0	29.0	58	31	40-135	40.2	
Benzene	<0.400	10.0	8.40	84	10.0	8.48	85	1	81-122	21	
Bromobenzene	<1.00	10.0	8.44	84	10.0	8.82	88	4	76-124	20	
Bromochloromethane	<1.00	10.0	8.87	89	10.0	8.84	88	0	65-129	20	
Bromodichloromethane	<0.500	10.0	8.00	80	10.0	8.17	82	2	76-121	20	
Bromoform	<1.00	10.0	7.83	78	10.0	8.92	89	13	69-128	20	
Bromomethane	<3.00	10.0	10.5	105	10.0	9.64	96	9	53-141	20	
2-Butanone	<10.0	50.0	33.9	68	50.0	40.0	80	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	8.69	87	10.0	8.58	86	1	70-129	20	
Sec-Butylbenzene	<1.00	10.0	8.48	85	10.0	8.41	84	1	72-127	20	
n-Butylbenzene	<1.00	10.0	8.04	80	10.0	8.17	82	2	69-137	20	
Carbon Disulfide	<1.00	100	7.40	7	100	7.14	7	4	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	8.21	82	10.0	8.03	80	2	66-138	20	
Chlorobenzene	<1.00	10.0	9.06	91	10.0	8.62	86	5	81-122	21	
Chloroethane	<0.500	10.0	8.09	81	10.0	7.60	76	6	58-133	20	
Chloroform	<0.300	10.0	7.88	79	10.0	7.80	78	1	69-128	20	
1-Chlorohexane	<1.00	10.0	8.43	84	10.0	7.87	79	7	70-125	20	
Chloromethane	<1.00	10.0	8.75	88	10.0	8.26	83	6	56-131	20	
4-Chlorotoluene	<1.00	10.0	8.14	81	10.0	8.65	87	6	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	7.82	78	10.0	8.90	89	13	50-132	28	
Dibromochloromethane	<0.500	10.0	8.64	86	10.0	8.44	84	2	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	8.53	85	10.0	8.48	85	1	80-121	20	
Dibromomethane	<1.00	10.0	8.90	89	10.0	9.09	91	2	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	8.25	83	10.0	8.47	85	3	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	8.80	88	10.0	8.65	87	2	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	8.39	84	10.0	8.38	84	0	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	7.93	79	10.0	6.34	63	22	53-153	23	
1,1-Dichloroethane	<1.00	10.0	8.10	81	10.0	8.11	81	0	69-133	20	
1,2-Dichloroethane	<0.500	10.0	7.87	79	10.0	8.16	82	4	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	8.49	85	10.0	8.45	85	0	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	7.99	80	10.0	7.80	78	2	63-137	20	
1,1-Dichloroethene	<1.00	10.0	7.93	79	10.0	7.97	80	1	68-130	22	
1,2-Dichloropropane	<1.00	10.0	8.79	88	10.0	9.05	91	3	75-125	20	
1,3-Dichloropropane	<0.400	10.0	8.43	84	10.0	8.57	86	2	73-126	20	
2,2-Dichloropropane	<1.00	10.0	7.71	77	10.0	7.23	72	6	69-137	20	
1,1-Dichloropropene	<1.00	10.0	8.20	82	10.0	8.05	81	2	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	8.47	85	10.0	8.10	81	4	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	8.14	81	10.0	8.10	81	0	59-135	20	
Ethylbenzene	<1.00	10.0	8.26	83	10.0	8.36	84	1	73-127	20	
Hexachlorobutadiene	<0.600	10.0	7.22	72	10.0	7.92	79	9	67-131	20	
2-Hexanone	<1.00	100	38.9	39	100	40.4	40	4	50-150	24.5	X
isopropylbenzene	<1.00	10.0	8.70	87	10.0	8.34	83	4	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	8.39	84	10.0	8.53	85	2	73-130	20	
Methylene Chloride	<1.00	10.0	9.09	91	10.0	9.13	91	0	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	11.0	110	10.0	11.4	114	4	58-134	25	
MTBE	<5.00	10.0	7.91	79	10.0	8.25	83	4	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Samples

Work Order # : 339564 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	8.94	89	10.0	9.39	94	5	54-138	20	
n-Propylbenzene	<1.00	10.0	8.43	84	10.0	8.41	84	0	72-129	20	
Styrene	<1.00	10.0	7.58	76	10.0	7.28	73	4	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	8.61	86	10.0	8.70	87	1	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	9.18	92	10.0	9.36	94	2	63-128	31	
Tetrachloroethylene	<1.00	10.0	8.90	89	10.0	8.72	87	2	66-128	20	
Toluene	<1.00	10.0	8.25	83	10.0	7.94	79	4	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	9.03	90	10.0	9.15	92	1	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	8.68	87	10.0	8.84	88	2	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	8.27	83	10.0	7.67	77	8	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	9.10	91	10.0	8.75	88	4	75-125	20	
Trichloroethene	<1.00	10.0	8.18	82	10.0	8.48	85	4	70-127	24	
Trichlorofluoromethane	<1.00	10.0	7.98	80	10.0	7.80	78	2	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	8.76	88	10.0	9.09	91	4	73-124	20	
1,2,4-Trimethylbenzene	<1.00	10.0	7.68	77	10.0	7.47	75	3	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	7.99	80	10.0	7.86	79	2	74-131	20	
Vinyl Chloride	<1.00	10.0	8.45	85	10.0	8.14	81	4	50-134	20	
o-Xylene	<1.00	10.0	8.90	89	10.0	8.93	89	0	80-121	20	
m,p-Xylenes	<2.00	20.0	17.6	88	20.0	17.3	87	2	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	10.3	103	10.0	9.88	99	4	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: 2009 Split Samples

Work Order #: 339564

Lab Batch #: 768515 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	0.008	<0.006	NC	25	
Arsenic	0.022	0.024	9	25	
Barium	0.069	0.045	42	25	F
Boron	0.474	0.469	1	25	
Cadmium	0.005	0.004	22	25	
Calcium	156	154	1	25	
Chromium	0.002	0.001	67	25	F
Cobalt	<0.005	<0.005	NC	25	
Copper	0.041	0.024	52	25	F
Iron	1.79	1.80	1	25	
Magnesium	73.0	72.3	1	25	
Molybdenum	0.007	0.006	15	25	
Nickel	0.004	0.004	0	25	
Potassium	22.2	22.0	1	25	
Silver	<0.002	<0.002	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.015	0.008	61	25	F
Zinc	0.031	0.031	0	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: 2009 Split Samples

Work Order #: 339564

Lab Batch #: 768515 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	0.025	0.015	50	25	F
Antimony	<0.006	0.005	NC	25	
Arsenic	0.052	0.053	2	25	
Boron	2.38	2.44	2	25	
Calcium	262	267	2	25	
Copper	0.031	0.031	0	25	
Lead	<0.002	<0.002	NC	25	
Manganese	0.003	0.003	0	25	
Thallium	0.003	0.001	100	25	F
Tin	<0.050	<0.050	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.013	0.015	14	25	
Zinc	0.053	0.057	7	25	

Lab Batch #: 768674

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.018	0.019	5	25	
Copper	0.017	0.018	6	25	
Zinc	0.021	0.022	5	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: 2009 Split Samples

Work Order #: 339564

Lab Batch #: 768674 **Project ID:**

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.048	0.047	2	25	
Copper	0.028	0.028	0	25	
Zinc	0.045	0.044	2	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

XENCO Laboratories

☐ 4141 Greenbriar Drive, Stafford, Tx 77477 281-589-0692
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☐ 12600 West I-20 East, Odessa, Tx 79765 432-563-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 224991 Page 1 of 1

Company-City: TCEQ Region 6-El Paso Phone: (915)834-4949
Lab Only: 339564-11
Proj Name-Location: ☐ Previously done at XENCO — Project ID: 2009 Split Samples - El Paso, TX
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data. 14d
Proj State: AL, CO, FL, GA, LA, MS, NC, NJ, NM, OK, PA, SC, TN, TX, UT Other — Proj. Manager (PM): Mary Simpson
e-mail to PM: msimpson@tceq.state.tx.us — Fax to:
and e-mail to: jojeda@tceq.state.tx.us
Invoice to ☐ Accounting ☐ Inc. Invoice with Report ☐ Invoice must have a P.O or Bill to:
Quote/Pricing: P.O No: ☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
LPST No.: ☐ Dry Basis
Sampler Name: Kenneth Mounce - Wilkinson Signature: Kenneth Mounce Wilkinson

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs BTEX-MTBE OXYG ETOH VOHs	8260 8021 602 624 524 TCLP/SPLP ( ) H_2SO_4	PAHs 8270 8310-SIM	TPH: TX1005 8015B 8015Mod 8015DRO 8015GRO 8015ORO	SVOCs 8270 625 TCLP/SPLP ( ) ~~8270~~	Metals: RCRA (4, 8, 11) Pb TCLP/SPLP ( ) Other:	Metals Method: 6010 602 200.8 7470/245.1 7471 HNO_3	NORM Ra 226 228 Uranium	Asbestos PLM PCM	Pesticides 8081 608 TCLP/SPLP ( )	Herbicides 8151 615 TCLP/SPLP ( )	PCBS 8082 608	7470A (HNO_3)	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	
1	EP-71 (GW)	8/3/09	1:17		W		X	6	✓	✓	✓		X			X		X						X	14				1
2	FB-EP-71	8/3/09	1:05		W		X	~~6~~ 3	✓	✓	✓		X			X		X						X	14				2
3	EP-51 (GW)	8/3/09	1:55		W		X	6	✓	✓	✓		X			X		X						X	14				3
4	EP-81 (GW)	8/3/09	2:35		W		X	6	✓	✓	✓		X			X		X						X	14				4
5	~~FD-1~~																												5
6	EP-80 (GW)	8/3/09	2:57		W		X	6	✓	✓	✓		X			X		X						X	14				6
7	FD-1	8/3/09	6:00		W		X	6	✓	✓	✓		X			X		X						X	14				7
8																													8
9																													9
10																													10

Remarks — From: / To: / Rcv by: / Date / Addn:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1 [signature] HMd	08/03/2009 5:30		
2			
3 FedEx		Lab: [signature]	8/4/09 0845

Total Containers per COC: 33 Cooler Temp: 1.2

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be hold 30 days after final report is e-mailed unless hereby requested. Rush Charges are pre-approved.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**V**), 1L (1), 500ml (**5**), Tedlar Bag (**B**), Wipe (**W**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Other (**O**) _____

Matrix: Air (A), Product (P), Solid(S), Water (W)

Committed to Excellence in Service and Quality since 1989 www.xenco.com

XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: TCEQ Region 6 - El Paso

Date/Time: 8/19/09

Lab ID # : 339564

Initials: JAS.

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	(Yes)	~~No~~ JAS		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.2 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: (#7) TRIP BLANK NOT ON COC. SAMPLE WAS ~~RECEIVED~~ Received BOTTLE TO RUN VOLATILES ONLY.

Corrective Action Taken: _____

Check all that apply:
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 339571

for

Shaw E&I Midland

Project Manager: John Sullivan

N/A

2009 Split Sampling

24-AUG-09

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

24-AUG-09

Project Manager: **John Sullivan**
Shaw E&I Midland
5801 W. Industrial #2
Midland, TX 79706

Reference: XENCO Report No: **339571**
N/A
Project Address: El Paso, Texas

John Sullivan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339571. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339571 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EP-110 (GW)	W	Aug-03-09 07:34	8.23 ft	339571-001
EP-126 (GW)	W	Aug-03-09 08:20	31.35 ft	339571-002
EP-129 (GW)	W	Aug-03-09 09:20	19.64 ft	339571-003
EP-94 (GW)	W	Aug-03-09 10:15	50.17 ft	339571-004
EP-49 (GW)	W	Aug-03-09 11:00	60.31 ft	339571-005
Trip Blank	W	Aug-03-09 00:00		339571-006

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-110 (GW)**	Matrix:Water	Sample Depth: 8.23 ft
Lab Sample Id: **339571-001**	Date Collected: Aug-03-09 07:34	Date Received: Aug-04-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectro** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 10:58 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.039	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.069	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.483	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	0.005	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	156	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	1.79	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L	J	1
Magnesium	7439-95-4	73.0	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Molybdenum	7439-98-7	0.007	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	22.2	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.022	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	0.020	0.050	0.050	0.0150	0.015	mg/L	JB	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.015	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 14:08 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	0.005	0.006	0.006	0.0050	0.005	mg/L	J	1
Arsenic	7440-38-2	0.018	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.017	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.021	0.003	0.003	0.0010	0.001	mg/L		1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-110 (GW)**	Matrix:Water	Sample Depth: 8.23 ft
Lab Sample Id: **339571-001**	Date Collected: Aug-03-09 07:34	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 16:59 Analyst: KAN Date Prep: Aug-06-09 09:09 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Sample Id: **EP-110 (GW)**	Matrix:Water	Sample Depth: 8.23 ft
Lab Sample Id: **339571-001**	Date Collected: Aug-03-09 07:34	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 16:59 Analyst: KAN Date Prep: Aug-06-09 09:09 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

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N/A

Sample Id: **EP-110 (GW)**	Matrix:Water	Sample Depth: 8.23 ft
Lab Sample Id: **339571-001**	Date Collected: Aug-03-09 07:34	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 14:26 Analyst: KHM Date Prep: Aug-15-09 12:46 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.350	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.350	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.440	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-110 (GW)**	Matrix:Water	Sample Depth: 8.23 ft
Lab Sample Id: **339571-001**	Date Collected: Aug-03-09 07:34	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 14:26 Analyst: KHM Date Prep: Aug-15-09 12:46 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.440	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-126 (GW)**	Matrix:Water	Sample Depth: 31.35 ft	
Lab Sample Id: **339571-002**	Date Collected: Aug-03-09 08:20	Date Received: Aug-04-09 08:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 11:27 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.025	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.035	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	3.68	0.010	0.400	0.0018	0.072	mg/L	D	40
Cadmium	7440-43-9	0.006	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	253	0.500	5.00	0.2000	2.00	mg/L	D	10
Chromium	7440-47-3	0.611	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	3.54	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	138	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.003	0.003	0.003	0.0010	0.001	mg/L	J	1
Molybdenum	7439-98-7	0.145	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.015	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	51.7	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.942	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.003	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.013	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 14:37 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.048	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.028	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.045	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-126 (GW)**	Matrix:Water	Sample Depth: 31.35 ft
Lab Sample Id: **339571-002**	Date Collected: Aug-03-09 08:20	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 18:52 Analyst: KAN Date Prep: Aug-06-09 09:18 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.065	0.005	0.010	0.0010	0.001	mg/L		1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-126 (GW)**	Matrix:Water	Sample Depth: 31.35 ft
Lab Sample Id: **339571-002**	Date Collected: Aug-03-09 08:20	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 18:52 Analyst: KAN Date Prep: Aug-06-09 09:18 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-126 (GW)**	Matrix:Water	Sample Depth: 31.35 ft
Lab Sample Id: **339571-002**	Date Collected: Aug-03-09 08:20	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:55 Analyst: KHM Date Prep: Aug-13-09 13:43 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.310	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	0.240	1.00	1.00	0.2000	0.200	ug/L	J	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.350	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.320	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.390	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-126 (GW)**	Matrix:Water	Sample Depth: 31.35 ft
Lab Sample Id: **339571-002**	Date Collected: Aug-03-09 08:20	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:55 Analyst: KHM Date Prep: Aug-13-09 13:43 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.470	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L		1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-129 (GW)**	Matrix:Water	Sample Depth: 19.64 ft	
Lab Sample Id: **339571-003**	Date Collected: Aug-03-09 09:20	Date Received: Aug-04-09 08:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:11 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.333	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.033	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.18	0.010	0.400	0.0018	0.072	mg/L	D	40
Cadmium	7440-43-9	0.002	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	136	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	1.87	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	92.8	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.007	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.013	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	8.57	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.030	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.016	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:21 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.014	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.015	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.015	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-129 (GW)**	Matrix:Water	Sample Depth: 19.64 ft
Lab Sample Id: **339571-003**	Date Collected: Aug-03-09 09:20	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 20:45 Analyst: KAN Date Prep: Aug-06-09 09:27 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-129 (GW)**	Matrix:Water	Sample Depth: 19.64 ft
Lab Sample Id: **339571-003**	Date Collected: Aug-03-09 09:20	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 20:45 Analyst: KAN Date Prep: Aug-06-09 09:27 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-129 (GW)**	Matrix:Water	Sample Depth: 19.64 ft
Lab Sample Id: **339571-003**	Date Collected: Aug-03-09 09:20	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 22:15 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.330	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	3.29	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.280	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-129 (GW)**	Matrix:Water	Sample Depth: 19.64 ft
Lab Sample Id: **339571-003**	Date Collected: Aug-03-09 09:20	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 22:15 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.200	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-94 (GW)**	Matrix:Water	Sample Depth: 50.17 ft	
Lab Sample Id: **339571-004**	Date Collected: Aug-03-09 10:15	Date Received: Aug-04-09 08:45	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:16 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.050	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.023	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	2.31	0.010	0.400	0.0018	0.072	mg/L	D	40
Cadmium	7440-43-9	0.001	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	78.4	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	0.950	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	86.1	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Molybdenum	7439-98-7	0.029	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.002	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	12.4	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.024	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.003	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.017	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:25 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.017	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.015	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.011	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-94 (GW)**	Matrix:Water	Sample Depth: 50.17 ft
Lab Sample Id: **339571-004**	Date Collected: Aug-03-09 10:15	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 21:23 Analyst: KAN Date Prep: Aug-06-09 09:30 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-94 (GW)**	Matrix:Water	Sample Depth: 50.17 ft
Lab Sample Id: **339571-004**	Date Collected: Aug-03-09 10:15	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 21:23 Analyst: KAN Date Prep: Aug-06-09 09:30 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-94 (GW)**	Matrix:Water	Sample Depth: 50.17 ft
Lab Sample Id: **339571-004**	Date Collected: Aug-03-09 10:15	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 22:36 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	2.78	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.390	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	2.46	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.300	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-94 (GW)**	Matrix:Water	Sample Depth: 50.17 ft
Lab Sample Id: **339571-004**	Date Collected: Aug-03-09 10:15	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 22:36 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	0.230	1.00	5.00	0.2000	0.200	ug/L	J	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.0001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-49 (GW)**	Matrix:Water	Sample Depth: 60.31 ft
Lab Sample Id: **339571-005**	Date Collected: Aug-03-09 11:00	Date Received: Aug-04-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 12:20 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.139	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.016	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	35.0	0.010	1.00	0.0018	0.180	mg/L	D	100
Cadmium	7440-43-9	0.063	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	184	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.006	0.005	0.005	0.0010	0.001	mg/L		1
Iron	7439-89-6	10.7	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.017	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	60.5	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	2.12	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	1.50	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.019	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	97.4	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.132	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.025	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.007	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 15:30 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	2.20	0.006	0.006	0.0050	0.005	mg/L		1
Arsenic	7440-38-2	17.0	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.276	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	7.53	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-49 (GW)**	Matrix:Water	Sample Depth: 60.31 ft
Lab Sample Id: **339571-005**	Date Collected: Aug-03-09 11:00	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 22:01 Analyst: KAN Date Prep: Aug-06-09 09:33 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	0.002	0.005	0.010	0.0010	0.001	mg/L	J	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.024	0.005	0.010	0.0010	0.001	mg/L		1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	0.002	0.010	0.010	0.0010	0.001	mg/L	J	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	0.034	0.005	0.010	0.0011	0.001	mg/L		1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-49 (GW)**	Matrix:Water	Sample Depth: 60.31 ft
Lab Sample Id: **339571-005**	Date Collected: Aug-03-09 11:00	Date Received: Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 22:01 Analyst: KAN Date Prep: Aug-06-09 09:33 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	0.016	0.005	0.010	0.0010	0.001	mg/L		1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	0.004	0.005	0.010	0.0012	0.001	mg/L	J	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **EP-49 (GW)**	Matrix:Water	Sample Depth: 60.31 ft
Lab Sample Id: **339571-005**	Date Collected: Aug-03-09 11:00	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 15:52 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	16.6	10.0	10.0	2.000	2.00	ug/L		1
Benzene	71-43-2	10.8	1.00	0.400	0.2000	0.200	ug/L		1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.830	1.00	0.500	0.2000	0.200	ug/L		1
Bromoform	75-25-2	0.310	1.00	1.00	0.2000	0.200	ug/L	J	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	5.04	5.00	10.0	1.000	1.00	ug/L	J	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	1.04	1.00	1.00	0.2000	0.200	ug/L		1
n-Butylbenzene	104-51-8	0.720	1.00	1.00	0.2000	0.200	ug/L	J	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.560	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	1.27	1.00	1.00	0.2000	0.200	ug/L		1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.820	1.00	0.500	0.2000	0.200	ug/L		1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.240	1.00	0.500	0.2000	0.200	ug/L	J	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	1.51	1.00	1.00	0.2000	0.200	ug/L		1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	1.60	1.00	1.00	0.2000	0.200	ug/L		1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-49 (GW)**	Matrix:Water	Sample Depth: 60.31 ft
Lab Sample Id: **339571-005**	Date Collected: Aug-03-09 11:00	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 15:52 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	23.8	1.00	1.00	0.2000	0.200	ug/L		1
n-Propylbenzene	103-65-1	1.27	1.00	1.00	0.2000	0.200	ug/L		1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.330	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	3.34	1.00	1.00	0.2000	0.200	ug/L		1
1,3,5-trimethylbenzene	108-67-8	1.77	1.00	1.00	0.2000	0.200	ug/L		1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	0.780	2.00	2.00	0.4000	0.400	ug/L	J	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0010	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339571-006**	Date Collected: Aug-03-09 00:00	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 16:13 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	2.37	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.260	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	0.860	2.00	1.00	0.4000	0.400	ug/L	J	1

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339571-006**	Date Collected: Aug-03-09 00:00	Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 16:13 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.210	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	0.230	1.00	1.00	0.2000	0.200	ug/L	J	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **535086-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535086-1-BLK** Date Collected: Date Received: Aug-04-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 10:48 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	0.020	0.050	0.050	0.0150	0.015	mg/L		1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535307-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535307-1-BLK** Date Collected: Date Received: Aug-04-09 08:45

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535310-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535310-1-BLK**	Date Collected:	Date Received: Aug-04-09 08:45	

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535349-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535349-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:22 Analyst: KHM Date Prep: Aug-13-09 09:47 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535349-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535349-1-BLK** Date Collected: Date Received: Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-13-09 13:22 Analyst: KHM Date Prep: Aug-13-09 09:47 Tech: KHM

Anal seq: 768467 Prep seq: 535349

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **535477-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535477-1-BLK** Date Collected: Date Received: Aug-04-09 08:45

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 13:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:32 Analyst: KHM Date Prep: Aug-14-09 10:27 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	0.290	1.00	1.00	0.2000	0.200	ug/L		1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	1.43	2.00	1.00	0.4000	0.400	ug/L		1

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:32 Analyst: KHM Date Prep: Aug-14-09 10:27 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339571

Shaw E&I Midland, Midland, TX

N/A

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-04-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Inductively Coupled Plasma Atomic Emi

Client : Shaw E&I Midland

Work Order #: 339571

Project ID: 2009 Split Sampling

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-94 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-126 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-49 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-110 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P
EP-129 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 10, 2009	180	7	Aug.13, 2009	180	3	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Total Metals by SW6020 Client : Shaw E&I Midland

Work Order #: 339571 Project ID: 2009 Split Sampling

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-126 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-49 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-110 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-94 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P
EP-129 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 14, 2009	180	11	Aug.14, 2009	180	0	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Mercury by SW-846 7470A
Client : Shaw E&I Midland

Work Order #: 339571
Project ID: 2009 Split Sampling

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-110 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-129 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-94 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-126 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P
EP-49 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	28	10	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Drinking Water Compounds By GCMS Client : Shaw E&I Midland

Work Order #: 339571 Project ID: 2009 Split Sampling

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-94 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.14, 2009	14	11	P
Trip Blank	Aug. 3, 2009	Aug. 4, 2009				Aug.15, 2009	14	12	P
EP-49 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.15, 2009	14	12	P
EP-126 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.13, 2009	14	10	P
EP-129 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.14, 2009	14	11	P
EP-110 (GW)	Aug. 3, 2009	Aug. 4, 2009				Aug.15, 2009	14	12	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Gc/Ms For Semivolatile Organics (Capil | Client : Shaw E&I Midland

Work Order #: 339571 | Project ID: 2009 Split Sampling

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-129 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.7, 2009	40	1	P
EP-110 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.7, 2009	40	1	P
EP-94 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.7, 2009	40	1	P
EP-126 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.7, 2009	40	1	P
EP-49 (GW)	Aug. 3, 2009	Aug. 4, 2009	Aug. 6, 2009	7	3	Aug.7, 2009	40	1	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

***** Outside XENCO's scope of NELAC Accreditation.

Analytical Log

Analytical Method:	Gc/Ms For Semivolatile Organics (Cap	Batch #:	767962
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-110 (GW)	339571-001	SMP
EP-126 (GW)	339571-002	SMP
EP-129 (GW)	339571-003	SMP
EP-49 (GW)	339571-005	SMP
EP-94 (GW)	339571-004	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 S	MS
	339571-002 SD	MSD
	535008-1-BKS	BKS
	535008-1-BLK	BLK
	535008-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768392
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-110 (GW)	339571-001	SMP
EP-129 (GW)	339571-003	SMP
EP-49 (GW)	339571-005	SMP
EP-94 (GW)	339571-004	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535307-1-BKS	BKS
	535307-1-BLK	BLK
	535307-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768393
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-126 (GW)	339571-002	SMP
	339571-002 S	MS
	339571-002 SD	MSD
	535310-1-BKS	BKS
	535310-1-BLK	BLK
	535310-1-BSD	BSD

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768467
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-126 (GW)	339571-002	SMP
	339571-002 S	MS
	339571-002 SD	MSD
	535349-1-BKS	BKS
	535349-1-BLK	BLK

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	768515
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-110 (GW)	339571-001	SMP
EP-110 (GW) DL	339571-001	DL
EP-126 (GW)	339571-002	SMP
EP-126 (GW) DL	339571-002	DL
EP-129 (GW)	339571-003	SMP
EP-129 (GW) DL	339571-003	DL
EP-49 (GW)	339571-005	SMP
EP-49 (GW) DL	339571-005	DL
EP-94 (GW)	339571-004	SMP
EP-94 (GW) DL	339571-004	DL
	339571-001 D	MD
	339571-001 P	PDS
	339571-001 S	MS
	339571-001 SD	MSD
	339571-001 SDL	SDL
	339571-002 D	MD
	339571-002 P	PDS
	339571-002 S	MS
	339571-002 SD	MSD
	339571-002 SDL	SDL
	535086-1-BKS	BKS
	535086-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	768674
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-110 (GW)	339571-001	SMP
EP-126 (GW)	339571-002	SMP
EP-129 (GW)	339571-003	SMP
EP-49 (GW)	339571-005	SMP
EP-94 (GW)	339571-004	SMP
	339571-001 D	MD
	339571-001 P	PDS
	339571-001 S	MS
	339571-001 SD	MSD
	339571-001 SDL	SDL
	339571-002 D	MD
	339571-002 P	PDS
	339571-002 S	MS
	339571-002 SD	MSD
	339571-002 SDL	SDL
	535477-1-BKS	BKS
	535477-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768709
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-129 (GW)	339571-003	SMP
EP-94 (GW)	339571-004	SMP
	339707-006 S	MS
	339707-006 SD	MSD
	535501-1-BKS	BKS
	535501-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768724
Project Name:	N/A	Project ID:	2009 Split Sampling
Client Name:	Shaw E&I Midland	WO Number:	339571

Client Sample Id	Lab Sample Id	QC Types
EP-110 (GW)	339571-001	SMP
EP-49 (GW)	339571-005	SMP
Trip Blank	339571-006	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535515-1-BKS	BKS
	535515-1-BLK	BLK

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 767962 **Sample:** 535008-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 09:56

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.049	0.050	98	48-120	
2-Fluorophenol	0.032	0.050	64	20-120	
Nitrobenzene-d5	0.044	0.050	88	41-120	
Phenol-d6	0.018	0.050	36	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.029	0.050	58	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 10:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.047	0.050	94	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.026	0.050	52	20-120	
Terphenyl-D14	0.055	0.050	110	51-135	
2,4,6-Tribromophenol	0.041	0.050	82	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 11:12

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.049	0.050	98	41-120	
Phenol-d6	0.025	0.050	50	20-120	
Terphenyl-D14	0.057	0.050	114	51-135	
2,4,6-Tribromophenol	0.042	0.050	84	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 767962 **Sample:** 339571-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 16:59

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.047	0.050	94	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.043	0.050	86	41-120	
Phenol-d6	0.015	0.050	30	20-120	
Terphenyl-D14	0.051	0.050	102	51-135	
2,4,6-Tribromophenol	0.034	0.050	68	42-124	

Lab Batch #: 767962 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 17:37

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.050	90	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.047	0.050	94	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.054	0.050	108	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

Lab Batch #: 767962 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 18:15

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.044	0.050	88	48-120	
2-Fluorophenol	0.033	0.050	66	20-120	
Nitrobenzene-d5	0.045	0.050	90	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 767962 **Sample:** 339571-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 18:52

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.024	0.050	48	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.015	0.050	30	20-120	
Terphenyl-D14	0.052	0.050	104	51-135	
2,4,6-Tribromophenol	0.038	0.050	76	42-124	

Lab Batch #: 767962 **Sample:** 339571-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 19:30

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.058	0.050	116	51-135	
2,4,6-Tribromophenol	0.043	0.050	86	42-124	

Lab Batch #: 767962 **Sample:** 339571-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 20:08

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.043	0.050	86	48-120	
2-Fluorophenol	0.030	0.050	60	20-120	
Nitrobenzene-d5	0.042	0.050	84	41-120	
Phenol-d6	0.022	0.050	44	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.039	0.050	78	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 767962 **Sample:** 339571-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 20:45

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.050	90	48-120	
2-Fluorophenol	0.023	0.050	46	20-120	
Nitrobenzene-d5	0.040	0.050	80	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.049	0.050	98	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 767962 **Sample:** 339571-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 21:23

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.023	0.050	46	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.048	0.050	96	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 767962 **Sample:** 339571-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 22:01

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.044	0.050	88	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.043	0.050	86	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.048	0.050	96	51-135	
2,4,6-Tribromophenol	0.050	0.050	100	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 768467 **Sample:** 535349-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 12:08

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.140	10.00	91	74-121	
Dibromofluoromethane	9.540	10.00	95	80-120	
1,2-Dichloroethane-D4	10.32	10.00	103	62-139	
Toluene-D8	9.820	10.00	98	81-117	

Lab Batch #: 768467 **Sample:** 535349-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 13:22

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.770	10.00	98	74-121	
Dibromofluoromethane	9.510	10.00	95	80-120	
1,2-Dichloroethane-D4	10.26	10.00	103	62-139	
Toluene-D8	9.720	10.00	97	81-117	

Lab Batch #: 768467 **Sample:** 339571-002 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 13:55

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.410	10.00	94	74-121	
Dibromofluoromethane	9.990	10.00	100	80-120	
1,2-Dichloroethane-D4	9.720	10.00	97	62-139	
Toluene-D8	10.16	10.00	102	81-117	

Lab Batch #: 768467 **Sample:** 339571-002 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 14:16

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.410	10.00	94	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	10.26	10.00	103	62-139	
Toluene-D8	9.970	10.00	100	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 768467 **Sample:** 339571-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/13/09 15:53

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.050	10.00	91	74-121	
Dibromofluoromethane	10.01	10.00	100	80-120	
1,2-Dichloroethane-D4	10.67	10.00	107	62-139	
Toluene-D8	9.810	10.00	98	81-117	

Lab Batch #: 768709 **Sample:** 535501-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 12:31

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.600	10.00	96	74-121	
Dibromofluoromethane	8.960	10.00	90	80-120	
1,2-Dichloroethane-D4	9.030	10.00	90	62-139	
Toluene-D8	10.09	10.00	101	81-117	

Lab Batch #: 768709 **Sample:** 535501-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 15:32

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.120	10.00	91	74-121	
Dibromofluoromethane	9.950	10.00	100	80-120	
1,2-Dichloroethane-D4	10.28	10.00	103	62-139	
Toluene-D8	8.820	10.00	88	81-117	

Lab Batch #: 768709 **Sample:** 339707-006 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:21

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.520	10.00	95	74-121	
Dibromofluoromethane	8.880	10.00	89	80-120	
1,2-Dichloroethane-D4	9.110	10.00	91	62-139	
Toluene-D8	9.760	10.00	98	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 768709 **Sample:** 339707-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:43

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.320	10.00	93	74-121	
Dibromofluoromethane	9.600	10.00	96	80-120	
1,2-Dichloroethane-D4	9.590	10.00	96	62-139	
Toluene-D8	9.610	10.00	96	81-117	

Lab Batch #: 768709 **Sample:** 339571-003 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 22:15

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.030	10.00	90	74-121	
Dibromofluoromethane	8.720	10.00	87	80-120	
1,2-Dichloroethane-D4	10.04	10.00	100	62-139	
Toluene-D8	9.480	10.00	95	81-117	

Lab Batch #: 768709 **Sample:** 339571-004 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 22:36

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.470	10.00	95	74-121	
Dibromofluoromethane	9.560	10.00	96	80-120	
1,2-Dichloroethane-D4	9.830	10.00	98	62-139	
Toluene-D8	9.750	10.00	98	81-117	

Lab Batch #: 768724 **Sample:** 535515-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 12:39

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.680	10.00	97	74-121	
Dibromofluoromethane	9.310	10.00	93	80-120	
1,2-Dichloroethane-D4	10.12	10.00	101	62-139	
Toluene-D8	10.33	10.00	103	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 768724 **Sample:** 535515-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 13:43

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.110	10.00	91	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	9.850	10.00	99	62-139	
Toluene-D8	9.820	10.00	98	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:26

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.050	10.00	91	74-121	
Dibromofluoromethane	8.970	10.00	90	80-120	
1,2-Dichloroethane-D4	9.950	10.00	100	62-139	
Toluene-D8	9.670	10.00	97	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:47

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.700	10.00	97	74-121	
Dibromofluoromethane	9.190	10.00	92	80-120	
1,2-Dichloroethane-D4	10.05	10.00	101	62-139	
Toluene-D8	9.890	10.00	99	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 15:09

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.720	10.00	97	74-121	
Dibromofluoromethane	9.570	10.00	96	80-120	
1,2-Dichloroethane-D4	9.800	10.00	98	62-139	
Toluene-D8	9.490	10.00	95	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: N/A

Work Orders : 339571,

Project ID: 2009 Split Sampling

Lab Batch #: 768724 **Sample:** 339571-005 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 15:52

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.430	10.00	94	74-121	
Dibromofluoromethane	9.490	10.00	95	80-120	
1,2-Dichloroethane-D4	10.80	10.00	108	62-139	
Toluene-D8	9.460	10.00	95	81-117	

Lab Batch #: 768724 **Sample:** 339571-006 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 16:13

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.410	10.00	94	74-121	
Dibromofluoromethane	9.650	10.00	97	80-120	
1,2-Dichloroethane-D4	10.37	10.00	104	62-139	
Toluene-D8	9.170	10.00	92	81-117	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768515 **Sample:** 535086-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Inductively Coupled Plasma Atomic Emission Sp Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.205	103	75-125	
Barium	<0.001	0.050	0.052	104	75-125	
Beryllium	<0.0006	0.0200	0.0202	101	75-125	
Boron	<0.002	0.020	0.018	90	75-125	
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.10	103	75-125	
Chromium	<0.001	0.050	0.048	96	75-125	
Cobalt	<0.001	0.050	0.048	96	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.054	108	75-125	
Magnesium	<0.200	3.00	2.99	100	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.052	104	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.03	102	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	0.020	1.00	1.09	109	75-125	
Titanium	<0.005	1.00	0.979	98	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Lab Batch #: 768674 **Sample:** 535477-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<0.005	0.020	0.018	90	75-125	
Arsenic	<0.002	0.050	0.049	98	75-125	
Copper	<0.002	0.050	0.051	102	75-125	
Zinc	<0.001	0.050	0.049	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	25.4	51	40-135	
Benzene	<0.200	10.0	8.26	83	81-122	
Bromobenzene	<0.200	10.0	8.97	90	76-124	
Bromochloromethane	<0.200	10.0	9.66	97	65-129	
Bromodichloromethane	<0.200	10.0	8.86	89	76-121	
Bromoform	<0.200	10.0	9.62	96	69-128	
Bromomethane	<0.200	10.0	9.13	91	53-141	
2-Butanone	<1.00	50.0	33.5	67	49-136	
tert-Butylbenzene	<0.200	10.0	8.71	87	70-129	
Sec-Butylbenzene	<0.200	10.0	8.63	86	72-127	
n-Butylbenzene	<0.200	10.0	8.71	87	69-137	
Carbon Disulfide	<0.200	10.0	11.1	111	10-200	
Carbon Tetrachloride	<0.200	10.0	8.85	89	66-138	
Chlorobenzene	<0.200	10.0	8.71	87	81-122	
Chloroethane	<0.200	10.0	7.79	78	58-133	
Chloroform	<0.200	10.0	8.40	84	69-128	
1-Chlorohexane	<0.200	10.0	8.78	88	70-125	
Chloromethane	<0.200	10.0	7.41	74	56-131	
4-Chlorotoluene	<0.200	10.0	8.24	82	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	8.43	84	50-132	
Dibromochloromethane	<0.200	10.0	7.92	79	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	8.23	82	80-121	
Dibromomethane	<0.200	10.0	8.99	90	76-125	
Cyclohexane	<2.00	10.0	7.25	73	10-200	
1,2-Dichlorobenzene	<0.200	10.0	8.64	86	71-133	
1,3-Dichlorobenzene	<0.200	10.0	9.31	93	75-124	
1,4-Dichlorobenzene	<0.200	10.0	8.02	80	74-123	
Dichlorodifluoromethane	<0.200	10.0	7.58	76	53-153	
1,1-Dichloroethane	<0.200	10.0	9.03	90	69-133	
1,2-Dichloroethane	<0.200	10.0	8.12	81	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.50	95	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.41	84	63-137	
1,1-Dichloroethene	<0.200	10.0	9.23	92	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	8.98	90	75-125	
1,3-Dichloropropane	<0.200	10.0	8.49	85	73-126	
2,2-Dichloropropane	<0.200	10.0	8.21	82	69-137	
1,1-Dichloropropene	<0.200	10.0	8.61	86	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	8.36	84	69-131	
trans-1,3-dichloropropene	<0.200	10.0	7.66	77	59-135	
Ethylbenzene	<0.200	10.0	8.45	85	73-127	
Hexachlorobutadiene	<0.200	10.0	8.03	80	67-131	
2-Hexanone	<1.00	50.0	34.5	69	50-150	
isopropylbenzene	<0.200	10.0	8.52	85	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	8.91	89	73-130	
Methylene Chloride	<0.400	10.0	9.53	95	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	8.33	83	58-134	
MTBE	<0.200	10.0	8.73	87	65-123	
Naphthalene	<0.200	10.0	9.08	91	54-138	
n-Propylbenzene	<0.200	10.0	9.24	92	72-129	
Styrene	<0.200	10.0	8.55	86	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	8.71	87	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	8.54	85	63-128	
Tetrachloroethylene	<0.200	10.0	8.95	90	66-128	
Toluene	<0.200	10.0	7.76	78	77-122	
Methyl Acetate	<0.500	10.0	8.67	87	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	9.52	95	67-137	
Methylcyclohexane	<0.500	10.0	7.38	74	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	9.58	96	66-134	
1,1,1-Trichloroethane	<0.200	10.0	9.13	91	67-132	
1,1,2-Trichloroethane	<0.200	10.0	8.71	87	75-125	
Trichloroethene	<0.200	10.0	8.47	85	70-127	
Trichlorofluoromethane	<0.200	10.0	8.02	80	57-129	
1,2,3-Trichloropropane	<0.200	10.0	9.09	91	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	8.51	85	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	8.54	85	74-131	
Vinyl Chloride	<0.200	10.0	7.59	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768467 **Sample:** 535349-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	8.43	84	80-121	
m,p-Xylenes	<0.400	20.0	17.9	90	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	8.84	88	67-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	38.8	78	40-135	
Benzene	<0.200	10.0	8.19	82	81-122	
Bromobenzene	<0.200	10.0	9.50	95	76-124	
Bromochloromethane	<0.200	10.0	9.86	99	65-129	
Bromodichloromethane	<0.200	10.0	9.51	95	76-121	
Bromoform	<0.200	10.0	10.5	105	69-128	
Bromomethane	<0.200	10.0	8.78	88	53-141	
2-Butanone	<1.00	50.0	45.8	92	49-136	
tert-Butylbenzene	<0.200	10.0	8.80	88	70-129	
Sec-Butylbenzene	<0.200	10.0	8.78	88	72-127	
n-Butylbenzene	<0.200	10.0	8.43	84	69-137	
Carbon Disulfide	0.290	10.0	10.1	101	10-200	
Carbon Tetrachloride	<0.200	10.0	8.42	84	66-138	
Chlorobenzene	<0.200	10.0	9.44	94	81-122	
Chloroethane	<0.200	10.0	7.23	72	58-133	
Chloroform	<0.200	10.0	8.29	83	69-128	
1-Chlorohexane	<0.200	10.0	9.88	99	70-125	
Chloromethane	<0.200	10.0	7.07	71	56-131	
4-Chlorotoluene	<0.200	10.0	8.98	90	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.57	96	50-132	
Dibromochloromethane	<0.200	10.0	9.51	95	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.12	91	80-121	
Dibromomethane	<0.200	10.0	9.53	95	76-125	
Cyclohexane	<2.00	10.0	7.36	74	10-200	
1,2-Dichlorobenzene	<0.200	10.0	8.69	87	71-133	
1,3-Dichlorobenzene	<0.200	10.0	9.66	97	75-124	
1,4-Dichlorobenzene	<0.200	10.0	8.55	86	74-123	
Dichlorodifluoromethane	<0.200	10.0	8.15	82	53-153	
1,1-Dichloroethane	<0.200	10.0	9.05	91	69-133	
1,2-Dichloroethane	<0.200	10.0	8.50	85	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.27	93	72-126	
trans-1,2-dichloroethene	<0.200	10.0	7.85	79	63-137	
1,1-Dichloroethene	<0.200	10.0	8.78	88	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	9.24	92	75-125	
1,3-Dichloropropane	<0.200	10.0	9.37	94	73-126	
2,2-Dichloropropane	<0.200	10.0	8.40	84	69-137	
1,1-Dichloropropene	<0.200	10.0	8.38	84	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	8.75	88	69-131	
trans-1,3-dichloropropene	<0.200	10.0	8.82	88	59-135	
Ethylbenzene	<0.200	10.0	8.97	90	73-127	
Hexachlorobutadiene	<0.200	10.0	7.69	77	67-131	
2-Hexanone	<1.00	50.0	44.3	89	50-150	
isopropylbenzene	<0.200	10.0	9.06	91	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	9.01	90	73-130	
Methylene Chloride	1.43	10.0	9.74	97	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	9.83	98	58-134	
MTBE	<0.200	10.0	8.96	90	65-123	
Naphthalene	<0.200	10.0	9.44	94	54-138	
n-Propylbenzene	<0.200	10.0	8.91	89	72-129	
Styrene	<0.200	10.0	9.18	92	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	8.98	90	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	9.92	99	66-128	
Toluene	<0.200	10.0	7.90	79	77-122	
Methyl Acetate	<0.500	10.0	8.66	87	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	8.90	89	67-137	
Methylcyclohexane	<0.500	10.0	7.13	71	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	9.19	92	66-134	
1,1,1-Trichloroethane	<0.200	10.0	8.77	88	67-132	
1,1,2-Trichloroethane	<0.200	10.0	9.52	95	75-125	
Trichloroethene	<0.200	10.0	8.76	88	70-127	
Trichlorofluoromethane	<0.200	10.0	7.58	76	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.2	102	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	8.70	87	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	8.55	86	74-131	
Vinyl Chloride	<0.200	10.0	7.04	70	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	8.96	90	80-121	
m,p-Xylenes	<0.400	20.0	19.4	97	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	9.84	98	67-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	37.8	76	40-135	
Benzene	<0.200	10.0	8.88	89	81-122	
Bromobenzene	<0.200	10.0	10.1	101	76-124	
Bromochloromethane	<0.200	10.0	10.4	104	65-129	
Bromodichloromethane	<0.200	10.0	10.2	102	76-121	
Bromoform	<0.200	10.0	11.0	110	69-128	
Bromomethane	<0.200	10.0	9.06	91	53-141	
2-Butanone	<1.00	50.0	40.9	82	49-136	
tert-Butylbenzene	<0.200	10.0	10.4	104	70-129	
Sec-Butylbenzene	<0.200	10.0	10.1	101	72-127	
n-Butylbenzene	<0.200	10.0	9.95	100	69-137	
Carbon Disulfide	<0.200	10.0	10.4	104	10-200	
Carbon Tetrachloride	<0.200	10.0	9.85	99	66-138	
Chlorobenzene	<0.200	10.0	9.96	100	81-122	
Chloroethane	<0.200	10.0	7.26	73	58-133	
Chloroform	<0.200	10.0	9.00	90	69-128	
1-Chlorohexane	<0.200	10.0	10.4	104	70-125	
Chloromethane	<0.200	10.0	7.35	74	56-131	
4-Chlorotoluene	<0.200	10.0	10.1	101	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.27	93	50-132	
Dibromochloromethane	<0.200	10.0	9.76	98	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.72	97	80-121	
Dibromomethane	<0.200	10.0	10.2	102	76-125	
Cyclohexane	<2.00	10.0	9.13	91	10-200	
1,2-Dichlorobenzene	<0.200	10.0	9.88	99	71-133	
1,3-Dichlorobenzene	<0.200	10.0	10.8	108	75-124	
1,4-Dichlorobenzene	<0.200	10.0	9.17	92	74-123	
Dichlorodifluoromethane	<0.200	10.0	9.65	97	53-153	
1,1-Dichloroethane	<0.200	10.0	9.50	95	69-133	
1,2-Dichloroethane	<0.200	10.0	9.21	92	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.82	98	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.31	83	63-137	
1,1-Dichloroethene	<0.200	10.0	9.52	95	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	10.4	104	75-125	
1,3-Dichloropropane	<0.200	10.0	10.5	105	73-126	
2,2-Dichloropropane	<0.200	10.0	9.46	95	69-137	
1,1-Dichloropropene	<0.200	10.0	8.94	89	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	9.63	96	69-131	
trans-1,3-dichloropropene	<0.200	10.0	9.63	96	59-135	
Ethylbenzene	<0.200	10.0	9.93	99	73-127	
Hexachlorobutadiene	<0.200	10.0	9.36	94	67-131	
2-Hexanone	<1.00	50.0	43.0	86	50-150	
isopropylbenzene	<0.200	10.0	10.0	100	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	10.5	105	73-130	
Methylene Chloride	<0.400	10.0	10.1	101	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	11.0	110	58-134	
MTBE	<0.200	10.0	9.45	95	65-123	
Naphthalene	<0.200	10.0	9.69	97	54-138	
n-Propylbenzene	<0.200	10.0	10.1	101	72-129	
Styrene	<0.200	10.0	10.0	100	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	9.58	96	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	11.5	115	66-128	
Toluene	<0.200	10.0	8.85	89	77-122	
Methyl Acetate	<0.500	10.0	9.33	93	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	10.5	105	67-137	
Methylcyclohexane	<0.500	10.0	9.43	94	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	10.3	103	66-134	
1,1,1-Trichloroethane	<0.200	10.0	10.0	100	67-132	
1,1,2-Trichloroethane	<0.200	10.0	10.2	102	75-125	
Trichloroethene	<0.200	10.0	9.91	99	70-127	
Trichlorofluoromethane	<0.200	10.0	9.47	95	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.9	109	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	9.33	93	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	9.80	98	74-131	
Vinyl Chloride	<0.200	10.0	7.62	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	9.70	97	80-121	
m,p-Xylenes	<0.400	20.0	20.8	104	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	12.9	129	67-125	H

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768392 **Sample:** 535307-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768393 **Sample:** 535310-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: N/A

Work Order #: 339571 **Project ID:** 2009 Split Sampling

Analyst: KAN **Date Prepared:** 08/06/2009 **Date Analyzed:** 08/07/2009

Lab Batch ID: 767962 **Sample:** 535008-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.001	0.050	0.044	88	0.05	0.046	92	4	47-120	20	
Acenaphthylene	<0.001	0.050	0.044	88	0.05	0.046	92	4	50-120	20	
Anthracene	<0.001	0.050	0.046	92	0.05	0.047	94	2	54-120	20	
Benzo(a)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	56-100	20	
Benzo(a)pyrene	<0.001	0.050	0.051	102	0.05	0.053	106	4	53-120	20	
Benzo(b)fluoranthene	<0.001	0.050	0.048	96	0.05	0.052	104	8	45-124	20	
Benzo(k)fluoranthene	<0.001	0.050	0.051	102	0.05	0.052	104	2	45-124	20	
Benzo(g,h,i)perylene	<0.001	0.050	0.042	84	0.05	0.044	88	5	38-123	20	
Benzoic Acid	<0.009	0.150	0.105	70	0.15	0.107	71	2	20-120	20	
Benzyl Alcohol	<0.001	0.050	0.042	84	0.05	0.046	92	9	30-120	20	
Benzyl Butyl Phthalate	<0.001	0.050	0.053	106	0.05	0.056	112	6	46-120	20	
bis(2-chloroethoxy) methane	<0.001	0.050	0.042	84	0.05	0.042	84	0	46-120	20	
bis(2-chloroethyl) ether	<0.001	0.050	0.041	82	0.05	0.043	86	5	37-120	20	
bis(2-chloroisopropyl) ether	<0.001	0.050	0.036	72	0.05	0.035	70	3	26-131	20	
bis(2-ethylhexyl) phthalate	<0.001	0.050	0.045	90	0.05	0.046	92	2	42-126	20	
4-Bromophenyl-phenylether	<0.001	0.050	0.046	92	0.05	0.048	96	4	52-120	20	
4-chloro-3-methylphenol	<0.001	0.050	0.048	96	0.05	0.041	82	16	47-120	20	
4-Chloroaniline	<0.001	0.050	0.054	108	0.05	0.063	126	15	20-120	20	H
2-Chloronaphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	49-120	20	
2-Chlorophenol	<0.001	0.050	0.044	88	0.05	0.046	92	4	37-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: N/A

Work Order #: 339571
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Date Prepared: 08/06/2009
Batch #: 1
Project ID: 2009 Split Sampling
Date Analyzed: 08/07/2009
Matrix: Water
Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorophenyl Phenyl Ether	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Chrysene	<0.001	0.050	0.050	100	0.05	0.053	106	6	55-120	20	
Dibenz(a,h)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	42-127	20	
Dibenzofuran	<0.001	0.050	0.046	92	0.05	0.048	96	4	54-120	20	
di-n-Butyl Phthalate	<0.003	0.050	0.044	88	0.05	0.046	92	4	54-120	20	
3,3-Dichlorobenzidine	<0.002	0.050	0.055	110	0.05	0.062	124	12	20-120	20	H
2,4-Dichlorophenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	48-120	20	
Diethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.047	94	2	41-120	20	
Dimethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.048	96	4	25-127	20	
2,4-Dimethylphenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	28-120	20	
4,6-dinitro-2-methyl phenol	<0.001	0.050	0.043	86	0.05	0.047	94	9	40-137	20	
2,4-Dinitrophenol	<0.001	0.050	0.043	86	0.05	0.034	68	23	25-130	20	F
2,4-Dinitrotoluene	<0.001	0.050	0.047	94	0.05	0.049	98	4	51-120	20	
2,6-Dinitrotoluene	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-120	20	
di-n-Octyl Phthalate	<0.001	0.050	0.048	96	0.05	0.049	98	2	37-137	20	
Fluoranthene	<0.001	0.050	0.045	90	0.05	0.047	94	4	54-120	20	
Fluorene	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Hexachlorobenzene	<0.001	0.050	0.047	94	0.05	0.049	98	4	52-120	20	
Hexachlorobutadiene	<0.001	0.050	0.037	74	0.05	0.040	80	8	27-120	20	
Hexachlorocyclopentadiene	<0.001	0.050	0.044	88	0.05	0.046	92	4	41-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: N/A

Work Order #: 339571
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Date Prepared: 08/06/2009
Batch #: 1
Project ID: 2009 Split Sampling
Date Analyzed: 08/07/2009
Matrix: Water
Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachloroethane	<0.001	0.050	0.033	66	0.05	0.036	72	9	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.001	0.050	0.048	96	0.05	0.050	100	4	43-125	20	
Isophorone	<0.001	0.050	0.052	104	0.05	0.055	110	6	50-120	20	
2-Methylnaphthalene	<0.001	0.050	0.050	100	0.05	0.051	102	2	46-120	20	
2-methylphenol	<0.001	0.050	0.043	86	0.05	0.044	88	2	38-120	20	
3&4-Methylphenol	<0.002	0.100	0.087	87	0.1	0.088	88	1	32-120	20	
Naphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	39-120	20	
2-Nitroaniline	<0.001	0.050	0.043	86	0.05	0.044	88	2	48-120	20	
3-Nitroaniline	<0.002	0.050	0.048	96	0.05	0.056	112	15	20-126	20	
4-Nitroaniline	<0.001	0.050	0.061	122	0.05	0.064	128	5	36-120	20	H
Nitrobenzene	<0.001	0.050	0.044	88	0.05	0.046	92	4	44-120	20	
2-Nitrophenol	<0.001	0.050	0.051	102	0.05	0.053	106	4	39-123	20	
4-Nitrophenol	<0.001	0.050	0.035	70	0.05	0.035	70	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.001	0.050	0.056	112	0.05	0.057	114	2	34-128	20	
N-Nitrosodiphenylamine	<0.002	0.050	0.038	76	0.05	0.040	80	5	48-120	20	
Pentachlorophenol	<0.001	0.050	0.025	50	0.05	0.028	56	11	38-120	20	
Phenanthrene	<0.001	0.050	0.045	90	0.05	0.047	94	4	51-120	20	
Phenol	<0.001	0.050	0.030	60	0.05	0.031	62	3	20-120	20	
Pyrene	<0.001	0.050	0.056	112	0.05	0.059	118	5	49-128	20	
2,4,5-Trichlorophenol	<0.001	0.050	0.042	84	0.05	0.042	84	0	49-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: N/A

Work Order #: 339571
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Batch #: 1
Units: mg/L

Date Prepared: 08/06/2009
Project ID: 2009 Split Sampling
Date Analyzed: 08/07/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.039	0.200	0.249	105	0.200	0.241	101	3	75-125	25	
Antimony	0.008	0.020	0.031	115	0.020	0.030	110	3	75-125	25	
Arsenic	0.022	0.050	0.076	108	0.050	0.075	106	1	75-125	25	
Barium	0.069	0.050	0.095	52	0.050	0.092	46	3	75-125	25	X
Beryllium	<0.0010	0.0200	0.0162	81	0.0200	0.0160	80	1	75-125	25	
Boron	0.474	0.020	0.496	110	0.020	0.491	85	1	75-125	25	
Cadmium	0.005	0.020	0.024	95	0.020	0.024	95	0	75-125	25	
Calcium	156	3.00	158	67	3.00	156	0	1	75-125	25	X
Chromium	0.002	0.050	0.049	94	0.050	0.049	94	0	75-125	25	
Cobalt	<0.005	0.050	0.047	94	0.050	0.047	94	0	75-125	25	
Copper	0.041	0.050	0.072	62	0.050	0.071	60	1	75-125	25	X
Iron	1.79	0.200	2.01	110	0.200	2.08	145	3	75-125	25	X
Lead	0.002	0.050	0.053	102	0.050	0.052	100	2	75-125	25	
Magnesium	73.0	3.00	76.4	113	3.00	75.5	83	1	75-125	25	
Manganese	0.002	0.050	0.050	96	0.050	0.049	94	2	75-125	25	
Molybdenum	0.007	0.050	0.059	104	0.050	0.059	104	0	75-125	25	
Nickel	0.004	0.050	0.053	98	0.050	0.052	96	2	75-125	25	
Potassium	22.2	2.00	24.1	95	2.00	23.8	80	1	75-125	25	
Selenium	0.022	0.050	0.069	94	0.050	0.068	92	1	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.017	85	6	75-125	25	
Thallium	<0.003	0.050	0.035	70	0.050	0.038	76	8	75-125	25	X
Tin	0.020	1.00	1.07	105	1.00	1.06	104	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	0.994	99	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.015	0.050	0.063	96	0.050	0.061	92	3	75-125	25	
Zinc	0.031	0.050	0.077	92	0.050	0.077	92	0	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.025	0.200	0.235	105	0.200	0.243	109	3	75-125	25	
Antimony	<0.006	0.020	0.031	155	0.020	0.031	155	0	75-125	25	X
Arsenic	0.052	0.050	0.103	102	0.050	0.105	106	2	75-125	25	
Barium	0.035	0.050	0.088	106	0.050	0.089	108	1	75-125	25	
Beryllium	<0.0010	0.0200	0.0128	64	0.0200	0.0127	64	1	75-125	25	X
Boron	2.38	0.020	2.43	250	0.020	2.43	250	0	75-125	25	X
Cadmium	0.006	0.020	0.025	95	0.020	0.025	95	0	75-125	25	
Calcium	262	3.00	270	267	3.00	268	200	1	75-125	25	X
Chromium	0.611	0.050	0.665	108	0.050	0.673	124	1	75-125	25	
Cobalt	0.001	0.050	0.049	96	0.050	0.050	98	2	75-125	25	
Copper	0.031	0.050	0.080	98	0.050	0.085	108	6	75-125	25	
Iron	3.54	0.200	3.76	110	0.200	3.93	195	4	75-125	25	X
Lead	<0.002	0.050	0.054	108	0.050	0.054	108	0	75-125	25	
Magnesium	138	3.00	141	100	3.00	145	233	3	75-125	25	X
Manganese	0.003	0.050	0.051	96	0.050	0.052	98	2	75-125	25	
Molybdenum	0.145	0.050	0.198	106	0.050	0.200	110	1	75-125	25	
Nickel	0.015	0.050	0.064	98	0.050	0.065	100	2	75-125	25	
Potassium	51.7	2.00	54.5	140	2.00	54.5	140	0	75-125	25	X
Selenium	0.942	0.050	0.984	84	0.050	1.00	116	2	75-125	25	
Silver	<0.002	0.020	0.017	85	0.020	0.018	90	6	75-125	25	
Thallium	0.003	0.050	0.038	70	0.050	0.043	80	12	75-125	25	X
Tin	<0.050	1.00	1.06	106	1.00	1.07	107	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	1.03	103	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.013	0.050	0.065	104	0.050	0.068	110	5	75-125	25	
Zinc	0.053	0.050	0.098	90	0.050	0.101	96	3	75-125	25	

Lab Batch ID: 768392 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0001	0.0010	0.0010	100	0.0010	0.0010	100	0	75-125	20	

Lab Batch ID: 768393 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	0.0001	0.0010	0.0009	80	0.0010	0.0009	80	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.044	88	0.050	0.043	86	2	47-120	20	
Acenaphthylene	<0.010	0.050	0.044	88	0.050	0.043	86	2	50-120	20	
Anthracene	<0.010	0.050	0.044	88	0.050	0.043	86	2	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.049	98	0.050	0.048	96	2	56-100	20	
Benzo(a)pyrene	<0.010	0.050	0.050	100	0.050	0.049	98	2	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.048	96	0.050	0.047	94	2	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.050	100	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.041	82	9	38-123	20	
Benzoic Acid	<0.100	0.150	0.106	71	0.150	0.103	69	3	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.040	80	7	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.053	106	0.050	0.052	104	2	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.041	82	0.050	0.040	80	2	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.038	76	8	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.035	70	0.050	0.037	74	6	26-131	20	
bis(2-ethylhexyl) phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.045	90	0.050	0.044	88	2	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.050	100	0.050	0.048	96	4	47-120	20	
4-Chloroaniline	<0.020	0.050	0.043	86	0.050	0.045	90	5	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2-Chlorophenol	<0.010	0.050	0.042	84	0.050	0.041	82	2	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.046	92	0.050	0.044	88	4	50-120	20	
Chrysene	<0.010	0.050	0.051	102	0.050	0.050	100	2	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.046	92	0.050	0.044	88	4	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.034	68	0.050	0.033	66	3	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.048	96	0.050	0.048	96	0	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.045	90	0.050	0.045	90	0	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.046	92	0.050	0.045	90	2	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.035	70	0.050	0.029	58	19	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.042	84	0.050	0.043	86	2	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.039	78	0.050	0.041	82	5	25-130	20	
2,4-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.045	90	2	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.044	88	0.050	0.044	88	0	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.048	96	0.050	0.048	96	0	37-137	20	
Fluoranthene	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
Fluorene	<0.010	0.050	0.046	92	0.050	0.045	90	2	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.044	88	0.050	0.042	84	5	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.044	88	0.050	0.043	86	2	41-125	20	
Hexachloroethane	<0.010	0.050	0.040	80	0.050	0.038	76	5	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.047	94	0.050	0.045	90	4	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.050	100	6	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.052	104	0.050	0.050	100	4	46-120	20	
2-methylphenol	<0.010	0.050	0.039	78	0.050	0.039	78	0	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.080	80	0.100	0.079	79	1	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.045	90	0.050	0.044	88	2	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.046	92	0.050	0.047	94	2	20-126	20	
4-Nitroaniline	<0.050	0.050	0.049	98	0.050	0.050	100	2	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.042	84	5	44-120	20	
2-Nitrophenol	<0.010	0.050	0.049	98	0.050	0.048	96	2	39-123	20	
4-Nitrophenol	<0.050	0.050	0.034	68	0.050	0.034	68	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.056	112	0.050	0.054	108	4	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.037	74	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.024	48	0.050	0.028	56	15	38-120	20	
Phenanthrene	<0.010	0.050	0.045	90	0.050	0.044	88	2	51-120	20	
Phenol	<0.010	0.050	0.028	56	0.050	0.028	56	0	20-120	20	
Pyrene	<0.010	0.050	0.056	112	0.050	0.054	108	4	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.041	82	0.050	0.041	82	0	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.044	88	0.050	0.043	86	2	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.045	90	0.050	0.042	84	7	47-120	20	
Acenaphthylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	50-120	20	
Anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.051	102	0.050	0.048	96	6	56-100	20	X
Benzo(a)pyrene	<0.010	0.050	0.051	102	0.050	0.048	96	6	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.049	98	0.050	0.046	92	6	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.046	92	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	38-123	20	
Benzoic Acid	<0.100	0.150	0.111	74	0.150	0.109	73	2	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.039	78	10	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.055	110	0.050	0.052	104	6	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.042	84	0.050	0.039	78	7	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.036	72	13	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.039	78	0.050	0.035	70	11	26-131	20	
bis(2-ethylhexyl) phthalate	0.065	0.050	0.090	50	0.050	0.087	44	3	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.046	92	0.050	0.043	86	7	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.037	74	0.050	0.034	68	8	47-120	20	
4-Chloroaniline	<0.020	0.050	0.053	106	0.050	0.050	100	6	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.041	82	7	49-120	20	
2-Chlorophenol	<0.010	0.050	0.043	86	0.050	0.038	76	12	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Chrysene	<0.010	0.050	0.039	78	0.050	0.036	72	8	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.043	86	0.050	0.041	82	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.047	94	0.050	0.044	88	7	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.045	90	0.050	0.042	84	7	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.032	64	0.050	0.034	68	6	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.051	102	0.050	0.047	94	8	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.044	88	7	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.045	90	4	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.044	88	0.050	0.045	90	2	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.045	90	0.050	0.042	84	7	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.033	66	0.050	0.041	82	22	25-130	20	F
2,4-Dinitrotoluene	<0.010	0.050	0.047	94	0.050	0.044	88	7	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.043	86	7	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.049	98	0.050	0.046	92	6	37-137	20	
Fluoranthene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Fluorene	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.045	90	0.050	0.040	80	12	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.045	90	0.050	0.043	86	5	41-125	20	
Hexachloroethane	<0.010	0.050	0.041	82	0.050	0.036	72	13	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.049	98	8	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.053	106	0.050	0.049	98	8	46-120	20	
2-methylphenol	<0.010	0.050	0.041	82	0.050	0.039	78	5	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.083	83	0.100	0.079	79	5	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.046	92	0.050	0.042	84	9	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.050	100	0.050	0.048	96	4	20-126	20	
4-Nitroaniline	<0.050	0.050	0.052	104	0.050	0.056	112	7	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.040	80	10	44-120	20	
2-Nitrophenol	<0.010	0.050	0.050	100	0.050	0.046	92	8	39-123	20	
4-Nitrophenol	<0.050	0.050	0.036	72	0.050	0.034	68	6	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.057	114	0.050	0.053	106	7	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.035	70	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.028	56	0.050	0.028	56	0	38-120	20	
Phenanthrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	51-120	20	
Phenol	<0.010	0.050	0.029	58	0.050	0.027	54	7	20-120	20	
Pyrene	<0.010	0.050	0.058	116	0.050	0.055	110	5	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.045	90	0.050	0.042	84	7	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768674 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	0.026	130	0.020	0.026	130	0	75-125	25	X
Arsenic	0.018	0.050	0.067	98	0.050	0.068	100	1	75-125	25	
Copper	0.017	0.050	0.063	92	0.050	0.064	94	2	75-125	25	
Zinc	0.021	0.050	0.064	86	0.050	0.064	86	0	75-125	25	

Lab Batch ID: 768674 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	<0.006	0	0.020	<0.006	0	NC	75-125	25	X
Arsenic	0.048	0.050	0.049	2	0.050	0.048	0	2	75-125	25	X
Copper	0.028	0.050	0.029	2	0.050	0.029	2	0	75-125	25	X
Zinc	0.045	0.050	0.045	0	0.050	0.045	0	0	75-125	25	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	38.2	76	50.0	73.9	148	64	40-135	40.2	XF
Benzene	<0.400	10.0	8.55	86	10.0	7.02	70	20	81-122	21	X
Bromobenzene	<1.00	10.0	8.70	87	10.0	7.42	74	16	76-124	20	X
Bromochloromethane	<1.00	10.0	10.5	105	10.0	9.14	91	14	65-129	20	
Bromodichloromethane	0.310	10.0	9.62	93	10.0	7.95	76	19	76-121	20	
Bromoform	0.240	10.0	9.94	97	10.0	10.4	102	5	69-128	20	
Bromomethane	<3.00	10.0	8.75	88	10.0	4.49	45	64	53-141	20	XF
2-Butanone	<10.0	50.0	45.6	91	50.0	84.8	170	60	49-136	20	XF
tert-Butylbenzene	<1.00	10.0	9.04	90	10.0	7.46	75	19	70-129	20	
Sec-Butylbenzene	<1.00	10.0	8.96	90	10.0	7.42	74	19	72-127	20	
n-Butylbenzene	<1.00	10.0	8.86	89	10.0	7.87	79	12	69-137	20	
Carbon Disulfide	<1.00	100	9.55	10	100	8.40	8	13	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	8.60	86	10.0	7.05	71	20	66-138	20	
Chlorobenzene	<1.00	10.0	9.47	95	10.0	7.52	75	23	81-122	21	XF
Chloroethane	<0.500	10.0	7.04	70	10.0	4.68	47	40	58-133	20	XF
Chloroform	0.350	10.0	9.40	91	10.0	7.39	70	24	69-128	20	F
1-Chlorohexane	<1.00	10.0	9.72	97	10.0	7.43	74	27	70-125	20	F
Chloromethane	0.320	10.0	7.75	74	10.0	5.62	53	32	56-131	20	XF
4-Chlorotoluene	<1.00	10.0	8.76	88	10.0	7.01	70	22	74-128	20	XF
1,2-Dibromo-3-Chloropropane	<2.00	10.0	10.3	103	10.0	17.5	175	52	50-132	28	XF
Dibromochloromethane	0.390	10.0	9.60	92	10.0	8.46	81	13	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	9.59	96	10.0	9.46	95	1	80-121	20	
Dibromomethane	<1.00	10.0	9.97	100	10.0	9.52	95	5	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	8.69	87	10.0	7.62	76	13	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	9.69	97	10.0	7.96	80	20	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	8.10	81	10.0	6.83	68	17	74-123	20	X
Dichlorodifluoromethane	<1.00	10.0	8.71	87	10.0	5.75	58	41	53-153	23	F
1,1-Dichloroethane	<1.00	10.0	9.21	92	10.0	7.67	77	18	69-133	20	
1,2-Dichloroethane	<0.500	10.0	8.97	90	10.0	8.19	82	9	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	9.96	100	10.0	7.90	79	23	72-126	20	F
trans-1,2-dichloroethene	<1.00	10.0	8.07	81	10.0	6.80	68	17	63-137	20	
1,1-Dichloroethene	<1.00	10.0	9.78	98	10.0	7.67	77	24	68-130	22	F
1,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	7.79	78	20	75-125	20	
1,3-Dichloropropane	<0.400	10.0	9.41	94	10.0	8.82	88	6	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.18	92	10.0	7.22	72	24	69-137	20	F
1,1-Dichloropropene	<1.00	10.0	8.92	89	10.0	6.98	70	24	73-132	20	XF
cis-1,3-Dichloropropene	<0.500	10.0	8.50	85	10.0	7.03	70	19	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	8.52	85	10.0	7.86	79	8	59-135	20	
Ethylbenzene	<1.00	10.0	9.17	92	10.0	7.24	72	24	73-127	20	XF
Hexachlorobutadiene	<0.600	10.0	8.44	84	10.0	8.67	87	3	67-131	20	
2-Hexanone	<1.00	100	43.9	44	100	71.8	72	48	50-150	24.5	XF
isopropylbenzene	<1.00	10.0	9.05	91	10.0	7.45	75	19	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	9.18	92	10.0	7.80	78	16	73-130	20	
Methylene Chloride	<1.00	10.0	9.89	99	10.0	8.11	81	20	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	11.9	119	10.0	16.7	167	34	58-134	25	XF
MTBE	<5.00	10.0	9.79	98	10.0	8.92	89	9	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768467 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/13/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	10.0	100	10.0	13.0	130	26	54-138	20	F
n-Propylbenzene	<1.00	10.0	9.03	90	10.0	7.61	76	17	72-129	20	
Styrene	<1.00	10.0	9.01	90	10.0	6.84	68	27	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	8.97	90	10.0	7.80	78	14	81-129	20	X
1,1,2,2-Tetrachloroethane	<0.500	10.0	10.2	102	10.0	11.1	111	8	63-128	31	
Tetrachloroethylene	<1.00	10.0	9.88	99	10.0	8.01	80	21	66-128	20	F
Toluene	0.470	10.0	8.53	81	10.0	7.05	66	19	77-122	21	X
1,2,3-Trichlorobenzene	<1.00	10.0	9.73	97	10.0	10.7	107	9	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	8.93	89	10.0	9.47	95	6	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	9.35	94	10.0	7.09	71	27	67-132	20	F
1,1,2-Trichloroethane	<1.00	10.0	10.2	102	10.0	8.95	90	13	75-125	20	
Trichloroethene	<1.00	10.0	8.90	89	10.0	7.55	76	16	70-127	24	
Trichlorofluoromethane	<1.00	10.0	8.46	85	10.0	5.88	59	36	57-129	20	F
1,2,3-Trichloropropane	<1.00	10.0	10.9	109	10.0	12.5	125	14	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	8.73	87	10.0	7.16	72	20	74-132	20	X
1,3,5-trimethylbenzene	<1.00	10.0	8.58	86	10.0	7.31	73	16	74-131	20	X
Vinyl Chloride	<1.00	10.0	7.51	75	10.0	5.71	57	27	50-134	20	F
o-Xylene	<1.00	10.0	9.00	90	10.0	7.45	75	19	80-121	20	X
m,p-Xylenes	<2.00	20.0	19.0	95	20.0	15.6	78	20	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	10.3	103	10.0	8.19	82	23	67-125	20	F

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	21.2	42	50.0	29.0	58	31	40-135	40.2	
Benzene	<0.400	10.0	8.40	84	10.0	8.48	85	1	81-122	21	
Bromobenzene	<1.00	10.0	8.44	84	10.0	8.82	88	4	76-124	20	
Bromochloromethane	<1.00	10.0	8.87	89	10.0	8.84	88	0	65-129	20	
Bromodichloromethane	<0.500	10.0	8.00	80	10.0	8.17	82	2	76-121	20	
Bromoform	<1.00	10.0	7.83	78	10.0	8.92	89	13	69-128	20	
Bromomethane	<3.00	10.0	10.5	105	10.0	9.64	96	9	53-141	20	
2-Butanone	<10.0	50.0	33.9	68	50.0	40.0	80	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	8.69	87	10.0	8.58	86	1	70-129	20	
Sec-Butylbenzene	<1.00	10.0	8.48	85	10.0	8.41	84	1	72-127	20	
n-Butylbenzene	<1.00	10.0	8.04	80	10.0	8.17	82	2	69-137	20	
Carbon Disulfide	<1.00	100	7.40	7	100	7.14	7	4	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	8.21	82	10.0	8.03	80	2	66-138	20	
Chlorobenzene	<1.00	10.0	9.06	91	10.0	8.62	86	5	81-122	21	
Chloroethane	<0.500	10.0	8.09	81	10.0	7.60	76	6	58-133	20	
Chloroform	<0.300	10.0	7.88	79	10.0	7.80	78	1	69-128	20	
1-Chlorohexane	<1.00	10.0	8.43	84	10.0	7.87	79	7	70-125	20	
Chloromethane	<1.00	10.0	8.75	88	10.0	8.26	83	6	56-131	20	
4-Chlorotoluene	<1.00	10.0	8.14	81	10.0	8.65	87	6	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	7.82	78	10.0	8.90	89	13	50-132	28	
Dibromochloromethane	<0.500	10.0	8.64	86	10.0	8.44	84	2	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	8.53	85	10.0	8.48	85	1	80-121	20	
Dibromomethane	<1.00	10.0	8.90	89	10.0	9.09	91	2	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	8.25	83	10.0	8.47	85	3	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	8.80	88	10.0	8.65	87	2	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	8.39	84	10.0	8.38	84	0	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	7.93	79	10.0	6.34	63	22	53-153	23	
1,1-Dichloroethane	<1.00	10.0	8.10	81	10.0	8.11	81	0	69-133	20	
1,2-Dichloroethane	<0.500	10.0	7.87	79	10.0	8.16	82	4	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	8.49	85	10.0	8.45	85	0	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	7.99	80	10.0	7.80	78	2	63-137	20	
1,1-Dichloroethene	<1.00	10.0	7.93	79	10.0	7.97	80	1	68-130	22	
1,2-Dichloropropane	<1.00	10.0	8.79	88	10.0	9.05	91	3	75-125	20	
1,3-Dichloropropane	<0.400	10.0	8.43	84	10.0	8.57	86	2	73-126	20	
2,2-Dichloropropane	<1.00	10.0	7.71	77	10.0	7.23	72	6	69-137	20	
1,1-Dichloropropene	<1.00	10.0	8.20	82	10.0	8.05	81	2	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	8.47	85	10.0	8.10	81	4	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	8.14	81	10.0	8.10	81	0	59-135	20	
Ethylbenzene	<1.00	10.0	8.26	83	10.0	8.36	84	1	73-127	20	
Hexachlorobutadiene	<0.600	10.0	7.22	72	10.0	7.92	79	9	67-131	20	
2-Hexanone	<1.00	100	38.9	39	100	40.4	40	4	50-150	24.5	X
isopropylbenzene	<1.00	10.0	8.70	87	10.0	8.34	83	4	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	8.39	84	10.0	8.53	85	2	73-130	20	
Methylene Chloride	<1.00	10.0	9.09	91	10.0	9.13	91	0	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	11.0	110	10.0	11.4	114	4	58-134	25	
MTBE	<5.00	10.0	7.91	79	10.0	8.25	83	4	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	8.94	89	10.0	9.39	94	5	54-138	20	
n-Propylbenzene	<1.00	10.0	8.43	84	10.0	8.41	84	0	72-129	20	
Styrene	<1.00	10.0	7.58	76	10.0	7.28	73	4	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	8.61	86	10.0	8.70	87	1	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	9.18	92	10.0	9.36	94	2	63-128	31	
Tetrachloroethylene	<1.00	10.0	8.90	89	10.0	8.72	87	2	66-128	20	
Toluene	<1.00	10.0	8.25	83	10.0	7.94	79	4	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	9.03	90	10.0	9.15	92	1	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	8.68	87	10.0	8.84	88	2	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	8.27	83	10.0	7.67	77	8	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	9.10	91	10.0	8.75	88	4	75-125	20	
Trichloroethene	<1.00	10.0	8.18	82	10.0	8.48	85	4	70-127	24	
Trichlorofluoromethane	<1.00	10.0	7.98	80	10.0	7.80	78	2	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	8.76	88	10.0	9.09	91	4	73-124	20	
1,2,4-Trimethylbenzene	<1.00	10.0	7.68	77	10.0	7.47	75	3	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	7.99	80	10.0	7.86	79	2	74-131	20	
Vinyl Chloride	<1.00	10.0	8.45	85	10.0	8.14	81	4	50-134	20	
o-Xylene	<1.00	10.0	8.90	89	10.0	8.93	89	0	80-121	20	
m,p-Xylenes	<2.00	20.0	17.6	88	20.0	17.3	87	2	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	10.3	103	10.0	9.88	99	4	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	24.0	48	50.0	36.6	73	42	40-135	40.2	F
Benzene	<0.400	10.0	9.95	100	10.0	9.25	93	7	81-122	21	
Bromobenzene	<1.00	10.0	11.1	111	10.0	10.4	104	7	76-124	20	
Bromochloromethane	<1.00	10.0	12.1	121	10.0	11.2	112	8	65-129	20	
Bromodichloromethane	0.350	10.0	11.5	112	10.0	10.8	105	6	76-121	20	
Bromoform	<1.00	10.0	12.6	126	10.0	11.9	119	6	69-128	20	
Bromomethane	<3.00	10.0	10.0	100	10.0	8.90	89	12	53-141	20	
2-Butanone	<10.0	50.0	42.5	85	50.0	50.4	101	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	10.9	109	10.0	9.67	97	12	70-129	20	
Sec-Butylbenzene	<1.00	10.0	10.6	106	10.0	9.46	95	11	72-127	20	
n-Butylbenzene	<1.00	10.0	10.4	104	10.0	9.21	92	12	69-137	20	
Carbon Disulfide	<1.00	100	9.92	10	100	8.98	9	10	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	10.4	104	10.0	9.64	96	8	66-138	20	
Chlorobenzene	<1.00	10.0	11.2	112	10.0	9.97	100	12	81-122	21	
Chloroethane	<0.500	10.0	7.89	79	10.0	6.84	68	14	58-133	20	
Chloroform	0.350	10.0	10.3	100	10.0	9.42	91	9	69-128	20	
1-Chlorohexane	<1.00	10.0	11.2	112	10.0	9.74	97	14	70-125	20	
Chloromethane	<1.00	10.0	8.24	82	10.0	7.83	78	5	56-131	20	
4-Chlorotoluene	<1.00	10.0	10.6	106	10.0	10.2	102	4	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	11.5	115	10.0	10.8	108	6	50-132	28	
Dibromochloromethane	0.440	10.0	11.4	110	10.0	10.3	99	10	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	11.4	114	10.0	10.2	102	11	80-121	20	
Dibromomethane	<1.00	10.0	11.7	117	10.0	11.3	113	3	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	10.7	107	10.0	10.0	100	7	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	11.8	118	10.0	10.7	107	10	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	9.90	99	10.0	9.36	94	6	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	10.3	103	10.0	10.5	105	2	53-153	23	
1,1-Dichloroethane	<1.00	10.0	10.6	106	10.0	9.82	98	8	69-133	20	
1,2-Dichloroethane	<0.500	10.0	9.88	99	10.0	9.58	96	3	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	10.8	108	10.0	10.3	103	5	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	9.26	93	10.0	8.27	83	11	63-137	20	
1,1-Dichloroethene	<1.00	10.0	11.0	110	10.0	9.79	98	12	68-130	22	
1,2-Dichloropropane	<1.00	10.0	11.4	114	10.0	10.8	108	5	75-125	20	
1,3-Dichloropropane	<0.400	10.0	11.6	116	10.0	10.8	108	7	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	9.10	91	5	69-137	20	
1,1-Dichloropropene	<1.00	10.0	10.0	100	10.0	8.67	87	14	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	10.9	109	10.0	10.1	101	8	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	10.5	105	10.0	9.33	93	12	59-135	20	
Ethylbenzene	<1.00	10.0	10.7	107	10.0	9.59	96	11	73-127	20	
Hexachlorobutadiene	<0.600	10.0	9.79	98	10.0	8.70	87	12	67-131	20	
2-Hexanone	<1.00	100	50.5	51	100	48.9	49	3	50-150	24.5	X
isopropylbenzene	<1.00	10.0	10.7	107	10.0	9.58	96	11	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	10.8	108	10.0	9.95	100	8	73-130	20	
Methylene Chloride	<1.00	10.0	11.2	112	10.0	10.2	102	9	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	13.2	132	10.0	13.4	134	2	58-134	25	
MTBE	<5.00	10.0	10.5	105	10.0	10.2	102	3	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: N/A

Work Order # : 339571 **Project ID:** 2009 Split Sampling

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	11.5	115	10.0	11.2	112	3	54-138	20	
n-Propylbenzene	<1.00	10.0	10.9	109	10.0	10.2	102	7	72-129	20	
Styrene	<1.00	10.0	9.84	98	10.0	8.77	88	11	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	11.1	111	10.0	9.83	98	12	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	11.9	119	10.0	11.1	111	7	63-128	31	
Tetrachloroethylene	<1.00	10.0	11.6	116	10.0	10.5	105	10	66-128	20	
Toluene	0.440	10.0	10.2	98	10.0	9.09	87	12	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	11.4	114	10.0	10.9	109	4	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	11.0	110	10.0	10.2	102	8	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	11.2	112	10.0	9.70	97	14	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	12.2	122	10.0	11.2	112	9	75-125	20	
Trichloroethene	<1.00	10.0	10.4	104	10.0	9.70	97	7	70-127	24	
Trichlorofluoromethane	<1.00	10.0	9.20	92	10.0	9.83	98	7	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	12.5	125	10.0	11.5	115	8	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	9.98	100	10.0	8.95	90	11	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	10.3	103	10.0	9.35	94	10	74-131	20	
Vinyl Chloride	<1.00	10.0	7.58	76	10.0	8.09	81	7	50-134	20	
o-Xylene	<1.00	10.0	10.9	109	10.0	9.84	98	10	80-121	20	
m,p-Xylenes	<2.00	20.0	23.3	117	20.0	20.7	104	12	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	12.3	123	10.0	10.4	104	17	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: N/A

Work Order #: 339571

Lab Batch #: 768515 **Project ID:** 2009 Split Sampling

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	0.039	0.037	5	25	
Barium	0.069	0.045	42	25	F
Beryllium	<0.0010	<0.0010	NC	25	
Boron	0.474	0.469	1	25	
Cadmium	0.005	0.004	22	25	
Calcium	156	154	1	25	
Chromium	0.002	0.001	67	25	F
Cobalt	<0.005	<0.005	NC	25	
Iron	1.79	1.80	1	25	
Lead	0.002	0.002	0	25	
Magnesium	73.0	72.3	1	25	
Manganese	0.002	0.002	0	25	
Molybdenum	0.007	0.006	15	25	
Nickel	0.004	0.004	0	25	
Potassium	22.2	22.0	1	25	
Selenium	0.022	0.023	4	25	
Silver	<0.002	<0.002	NC	25	
Thallium	<0.003	<0.003	NC	25	
Tin	0.020	<0.050	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.015	0.008	61	25	F

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: N/A

Work Order #: 339571

Lab Batch #: 768515 **Project ID:** 2009 Split Sampling

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	0.025	0.015	50	25	F
Barium	0.035	0.035	0	25	
Beryllium	<0.0010	<0.0010	NC	25	
Boron	2.38	2.44	2	25	
Cadmium	0.006	0.005	18	25	
Calcium	262	267	2	25	
Chromium	0.611	0.628	3	25	
Cobalt	0.001	0.001	0	25	
Iron	3.54	3.43	3	25	
Lead	<0.002	<0.002	NC	25	
Magnesium	138	141	2	25	
Manganese	0.003	0.003	0	25	
Molybdenum	0.145	0.148	2	25	
Nickel	0.015	0.015	0	25	
Potassium	51.7	52.2	1	25	
Selenium	0.942	0.957	2	25	
Silver	<0.002	<0.002	NC	25	
Thallium	0.003	0.001	100	25	F
Tin	<0.050	<0.050	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.013	0.015	14	25	

Lab Batch #: 768674

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.018	0.019	5	25	
Copper	0.017	0.018	6	25	
Zinc	0.021	0.022	5	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: N/A

Work Order #: 339571

Lab Batch #: 768674 **Project ID:** 2009 Split Sampling

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.048	0.047	2	25	
Copper	0.028	0.028	0	25	
Zinc	0.045	0.044	2	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

XENCO Laboratories

☑ 4141 Greenbriar Drive, Stafford, Tx 77477 281-589-0692
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☐ 12600 West I-20 East, Odessa, Tx 79765 432-563-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 224990 Page 1 of 1

Company-City	TCEQ-El Paso-Region 6
Phone	915-834-4964
Lab Only:	339571-H
Proj Name-Location ☐ Previously done at XENCO	2009 Split Sampling - El Paso, TX
Project ID	
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.	14d
Proj State: AL, CO, FL, GA, LA, MS, NC, NJ, NM, OK, PA, SC, TN, (TX) UT Other	
Proj. Manager (PM)	Mary Simpson
e-mail to PM	MSimpson@tceq.state.tx.us
Fax to:	
and e-mail to:	jajeda@tceq.state.tx.us
Invoice to ☐ Accounting ☐ Inc. Invoice with Report ☐ Invoice must have a P.O or Bill to:	
Quote/Pricing:	
P.O No: ☐ Call for P.O.	
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW	
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:	
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)	
LPST No.: ☐ Dry Basis	
Sampler Name Robert Gilliam Signature	

	Sample ID	Sampling Date	Time	Depth (ft) In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	EP-110 (GW)	8-3-09	7:34	8.23	W		X	6	✓	✓	✓
2	EP-110(GW) (ms/msd)		7:34	8.23	W		X	6	✓	✓	✓
3	EP-126 (GW)		8:20	31.35	W		X	6	✓	✓	✓
4	EP-126 (GW) (ms/msd)		8:20	31.35	W		X	6	✓	✓	✓
5	EP-129 (GW)		9:20	19.64	W		X	6	✓	✓	✓
6	EP-94 (GW)		10:15	50.17	W		X	6	✓	✓	✓
7	EP-49 (GW)		11:00	60.31	W		X	6	✓	✓	✓
8											
9											
10											

	VOCs BTEX-MTBE OXYG ETOH VOHs	8021 602 624 524 TCLP/SPLP ( ) 260	PAHs 8270 8270-SIM 8310	TPH: TX1005 8015B 8015Mod 8015DRO 8015GRO 8015ORO	SVOCs 8270 8270-SIM 625 TCLP/SPLP ( )	Metals: RCRA (4, 8, 11) Pb TCLP/SPLP ( ) Other:	Metals Method: 6010 602 200.8 7470/245.1 7471	NORM Ra 226 228 Uranium	Asbestos PLM PCM	Pesticides 8081 608 TCLP/SPLP ( )	Herbicides 8151 615 TCLP/SPLP ( )	PCBS 8082 608	7470A (Hg)	3500-Cr B (Cr+6)	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed
1		X	X				X					X	X	14			
2		X	X				X					X		14			
3		X	X				X					X		14			
4		X	X				X					X		14			
5		X	X				X					X		14			
6		X	X				X					X		14			
7		X	X				X					X		14			
8																	
9																	
10																	

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1 [redacted] Robert Gilliam	8/3/09 4:26	[redacted] BM	08/04/09 0825
2 [redacted]			
3 FedEx		Lab: [redacted]	8/4/09 0845

Total Containers per COC: 42 Cooler Temp: 1-2°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be hold 30 days after final report is e-mailed unless hereby requested. Rush Charges are pre-approved.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**V**), 1L (1), 500ml (**5**), Tedlar Bag (**B**), Wipe (**W**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Other (**O**) _____

Matrix: Air (A), Product (P), Solid(S), Water (W)

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XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: TCEQ-EL PASO-R-6

Date/Time: 08/04/09

Lab ID # : 339571

Initials: Q.M.

gc

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	(Yes)	(No)	gc	
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No. 1827		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.2 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: (OOC) Trip Blanks not on COC

Corrective Action Taken: _____

Check all that apply:
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 339707

for

Shaw E&I Midland

Project Manager: Mary Simpson

2009 Split Sampling

24-AUG-09

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

24-AUG-09

Project Manager: **Mary Simpson**
Shaw E&I Midland
5801 W. Industrial #2
Midland, TX 79706

Reference: XENCO Report No: **339707**
2009 Split Sampling
Project Address: El Paso, TX

Mary Simpson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339707. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339707 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SEP-9 (SW)	W	Aug-04-09 13:10		339707-001
SEP-7 (SW)	W	Aug-04-09 13:40		339707-002
EP-111 (GW)	W	Aug-04-09 14:20		339707-003
EP-112 (GW)	W	Aug-04-09 14:50		339707-004
SEP-11 (SW)	W	Aug-04-09 15:18		339707-005
SEP-3 (SW)	W	Aug-04-09 15:35		339707-006
FD-2	W	Aug-04-09 11:40		339707-007
Trip Blank	W	Aug-04-09 00:00		339707-008

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-9 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-001**	Date Collected: Aug-04-09 13:10	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:04 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	2.08	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.114	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.114	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	59.3	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L	J	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	2.05	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	14.1	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.140	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.007	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	7.96	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.039	0.010	0.010	0.0050	0.005	mg/L		1
Vanadium	7440-62-2	0.010	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:14 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.015	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.012	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-9 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-001**	Date Collected: Aug-04-09 13:10	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 14:44 Analyst: KAN Date Prep: Aug-06-09 14:25 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-9 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-001**	Date Collected: Aug-04-09 13:10	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 14:44 Analyst: KAN Date Prep: Aug-06-09 14:25 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-9 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-001**	Date Collected: Aug-04-09 13:10	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 19:25 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-9 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-001**	Date Collected: Aug-04-09 13:10	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 19:25 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-7 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-002**	Date Collected: Aug-04-09 13:40	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:09 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	2.55	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.125	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.064	0.010	0.100	0.0018	0.018	mg/L	J	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	59.5	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.31	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	13.6	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.159	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.006	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	7.33	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.047	0.010	0.010	0.0050	0.005	mg/L		1
Vanadium	7440-62-2	0.011	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:19 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.013	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.009	0.003	0.003	0.0010	0.001	mg/L		1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-7 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-002**	Date Collected: Aug-04-09 13:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 15:22 Analyst: KAN Date Prep: Aug-06-09 14:28 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.101	0.0095	0.010	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.051	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-7 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-002**	Date Collected: Aug-04-09 13:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 15:22 Analyst: KAN Date Prep: Aug-06-09 14:28 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.051	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.051	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.051	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.051	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-7 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-002**	Date Collected: Aug-04-09 13:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 19:47 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.230	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **SEP-7 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-002**	Date Collected: Aug-04-09 13:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 19:47 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-111 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-003**	Date Collected: Aug-04-09 14:20	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:14 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.026	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.063	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.69	0.010	0.200	0.0018	0.036	mg/L	D	20
Cadmium	7440-43-9	0.001	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	239	0.500	10.0	0.2000	4.00	mg/L	D	20
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	4.97	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	91.8	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.947	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.304	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.057	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	70.6	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.012	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.002	0.004	0.004	0.0014	0.001	mg/L	J	1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:24 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.771	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.020	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.025	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-111 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-003**	Date Collected: Aug-04-09 14:20	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:08 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.240	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-111 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-003**	Date Collected: Aug-04-09 14:20	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:08 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.200	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0004	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-111 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-003**	Date Collected: Aug-04-09 14:20	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:01 Analyst: KAN Date Prep: Aug-06-09 14:31 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.101	0.0095	0.010	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.051	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-111 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-003**	Date Collected: Aug-04-09 14:20	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:01 Analyst: KAN Date Prep: Aug-06-09 14:31 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.051	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.051	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.051	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.051	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-112 (GW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-004**	Date Collected: Aug-04-09 14:50	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:19 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	0.060	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	3.45	0.010	0.500	0.0018	0.090	mg/L	D	50
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	157	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.26	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	89.5	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.444	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.894	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.023	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	75.9	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.012	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	0.002	0.004	0.004	0.0014	0.001	mg/L	J	1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:28 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.022	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.008	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.007	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-112 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-004**	Date Collected: Aug-04-09 14:50	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:29 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-112 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-004**	Date Collected: Aug-04-09 14:50	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:29 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0002	0.0001	0.0001	0.0001	0.0001	mg/L		1

Sample Id: **EP-112 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-004**	Date Collected: Aug-04-09 14:50	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:40 Analyst: KAN Date Prep: Aug-06-09 14:34 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-112 (GW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-004**	Date Collected: Aug-04-09 14:50	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:40 Analyst: KAN Date Prep: Aug-06-09 14:34 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-11 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-005**	Date Collected: Aug-04-09 15:18	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:24 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	3.38	0.010	0.010	0.0100	0.010	mg/L		1
Barium	7440-39-3	0.144	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.078	0.010	0.100	0.0018	0.018	mg/L	J	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	64.1	0.500	0.500	0.2000	0.200	mg/L		1
Chromium	7440-47-3	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	0.002	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.97	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.004	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	14.4	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.191	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.010	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.005	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	7.77	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.069	0.010	0.010	0.0050	0.005	mg/L		1
Vanadium	7440-62-2	0.012	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:33 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	0.013	0.002	0.002	0.0018	0.002	mg/L		1
Copper	7440-50-8	0.012	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.013	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **SEP-11 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-005**	Date Collected: Aug-04-09 15:18	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 17:18 Analyst: KAN Date Prep: Aug-06-09 14:37 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.102	0.0095	0.010	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.051	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-11 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-005**	Date Collected: Aug-04-09 15:18	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 17:18 Analyst: KAN Date Prep: Aug-06-09 14:37 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.051	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.051	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.051	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.051	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.051	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.051	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-11 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-005**	Date Collected: Aug-04-09 15:18	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:51 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	2.81	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **SEP-11 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-005**	Date Collected: Aug-04-09 15:18	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 20:51 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-3 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339707-006**	Date Collected: Aug-04-09 15:35	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:53 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	2.92	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	0.006	0.006	0.006	0.0050	0.005	mg/L		1
Barium	7440-39-3	0.133	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.153	0.010	0.020	0.0018	0.004	mg/L	D	2
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	61.1	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.59	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.003	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	14.0	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.167	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.006	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.005	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	7.54	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	0.020	0.050	0.050	0.0150	0.015	mg/L	J	1
Titanium	7440-32-6	0.058	0.010	0.010	0.0050	0.005	mg/L		1
Vanadium	7440-62-2	0.012	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 17:08 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.010	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.012	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **SEP-3 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-006**	Date Collected: Aug-04-09 15:35	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 17:57 Analyst: KAN Date Prep: Aug-06-09 14:40 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-3 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-006**	Date Collected: Aug-04-09 15:35	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 17:57 Analyst: KAN Date Prep: Aug-06-09 14:40 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **SEP-3 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-006**	Date Collected: Aug-04-09 15:35	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:53 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **SEP-3 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-006**	Date Collected: Aug-04-09 15:35	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:53 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-2**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-007**	Date Collected: Aug-04-09 11:40	Date Received: Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 14:22 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	2.72	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.125	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.145	0.010	0.020	0.0018	0.004	mg/L	D	2
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	58.2	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.42	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.003	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	13.4	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.159	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.006	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	7.05	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.051	0.010	0.010	0.0050	0.005	mg/L		1
Vanadium	7440-62-2	0.011	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 17:37 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.010	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L	J	1
Copper	7440-50-8	0.010	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.009	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-2**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-007**	Date Collected: Aug-04-09 11:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 19:51 Analyst: KAN Date Prep: Aug-06-09 14:49 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-2**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-007**	Date Collected: Aug-04-09 11:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 19:51 Analyst: KAN Date Prep: Aug-06-09 14:49 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-2**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-007**	Date Collected: Aug-04-09 11:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:12 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **FD-2**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-007**	Date Collected: Aug-04-09 11:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 21:12 Analyst: KHM Date Prep: Aug-14-09 13:40 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-18-09 11:06 Analyst: LATCOR Date Prep: Aug-14-09 10:00 Tech: LATCOR

Anal seq: 768825 Prep seq: 535588

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0002	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-008**	Date Collected: Aug-04-09 00:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 14:05 Analyst: KHM Date Prep: Aug-15-09 12:45 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339707-008**	Date Collected: Aug-04-09 00:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 14:05 Analyst: KHM Date Prep: Aug-15-09 12:45 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535008-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535008-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-07-09 09:56 Analyst: KAN Date Prep: Aug-06-09 09:00 Tech: KAN

Anal seq: 767962 Prep seq: 535008

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535086-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535086-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 10:48 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 768515 Prep seq: 535086

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	0.020	0.050	0.050	0.0150	0.015	mg/L		1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535088-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535088-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:43 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	0.001	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0050	0.005	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535307-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535307-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

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2009 Split Sampling

Sample Id: **535477-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535477-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 13:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 768674 Prep seq: 535477

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

Sample Id: **535478-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535478-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:32 Analyst: KHM Date Prep: Aug-14-09 10:27 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	0.290	1.00	1.00	0.2000	0.200	ug/L		1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	1.43	2.00	1.00	0.4000	0.400	ug/L		1

Sample Id: **535501-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535501-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-14-09 15:32 Analyst: KHM Date Prep: Aug-14-09 10:27 Tech: KHM

Anal seq: 768709 Prep seq: 535501

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339707

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535515-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535515-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **535588-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535588-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-18-09 11:06 Analyst: LATCOR Date Prep: Aug-14-09 10:00 Tech: LATCOR

Anal seq: 768825 Prep seq: 535588

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Inductively Coupled Plasma Atomic Emi Client : Shaw E&I Midland

Work Order #: 339707 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
SEP-7 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-111 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
SEP-11 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-112 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
SEP-9 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
FD-2	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
SEP-3 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Total Metals by SW6020 Client : Shaw E&I Midland

Work Order #: 339707 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-112 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
SEP-11 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
SEP-9 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
SEP-7 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
FD-2	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
SEP-3 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-111 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Mercury by SW-846 7470A Client : Shaw E&I Midland

Work Order #: 339707 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
SEP-7 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
SEP-9 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
SEP-3 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
SEP-11 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
EP-111 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
FD-2	Aug. 4, 2009	Aug. 5, 2009				Aug.18, 2009	28	14	P
EP-112 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Drinking Water Compounds By GCMS Client : Shaw E&I Midland

Work Order #: 339707 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
FD-2	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
EP-111 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
SEP-7 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
SEP-11 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
SEP-3 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
Trip Blank	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
SEP-9 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P
EP-112 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.14, 2009	14	10	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Gc/Ms For Semivolatile Organics (Capil | Client : Shaw E&I Midland

Work Order #: 339707 | Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-112 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
SEP-3 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
EP-111 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
SEP-9 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
SEP-7 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
FD-2	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P
SEP-11 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 6, 2009	7	2	Aug.11, 2009	40	5	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

***** Outside XENCO's scope of NELAC Accreditation.

Analytical Log

Analytical Method:	Gc/Ms For Semivolatile Organics (Cap	Batch #:	767962
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
EP-111 (GW)	339707-003	SMP
EP-112 (GW)	339707-004	SMP
FD-2	339707-007	SMP
SEP-11 (SW)	339707-005	SMP
SEP-3 (SW)	339707-006	SMP
SEP-7 (SW)	339707-002	SMP
SEP-9 (SW)	339707-001	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 S	MS
	339571-002 SD	MSD
	339707-006 S	MS
	339707-006 SD	MSD
	535008-1-BKS	BKS
	535008-1-BLK	BLK
	535008-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768392
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
EP-111 (GW)	339707-003	SMP
EP-112 (GW)	339707-004	SMP
SEP-11 (SW)	339707-005	SMP
SEP-3 (SW)	339707-006	SMP
SEP-7 (SW)	339707-002	SMP
SEP-9 (SW)	339707-001	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535307-1-BKS	BKS
	535307-1-BLK	BLK
	535307-1-BSD	BSD

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	768515
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
EP-111 (GW)	339707-003	SMP
EP-111 (GW) DL	339707-003	DL
EP-112 (GW)	339707-004	SMP
EP-112 (GW) DL	339707-004	DL
SEP-11 (SW)	339707-005	SMP
SEP-11 (SW) DL	339707-005	DL
SEP-7 (SW)	339707-002	SMP
SEP-7 (SW) DL	339707-002	DL
SEP-9 (SW)	339707-001	SMP
SEP-9 (SW) DL	339707-001	DL
	339571-001 D	MD
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 D	MD
	339571-002 S	MS
	339571-002 SD	MSD
	535086-1-BKS	BKS
	535086-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	768674
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
EP-111 (GW)	339707-003	SMP
EP-112 (GW)	339707-004	SMP
SEP-11 (SW)	339707-005	SMP
SEP-7 (SW)	339707-002	SMP
SEP-9 (SW)	339707-001	SMP
	339571-001 D	MD
	339571-001 S	MS
	339571-001 SD	MSD
	339571-002 D	MD
	339571-002 S	MS
	339571-002 SD	MSD
	535477-1-BKS	BKS
	535477-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768709
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
EP-111 (GW)	339707-003	SMP
EP-112 (GW)	339707-004	SMP
FD-2	339707-007	SMP
SEP-11 (SW)	339707-005	SMP
SEP-3 (SW)	339707-006	SMP
SEP-7 (SW)	339707-002	SMP
SEP-9 (SW)	339707-001	SMP
	339707-006 S	MS
	339707-006 SD	MSD
	535501-1-BKS	BKS
	535501-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768724
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
Trip Blank	339707-008	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535515-1-BKS	BKS
	535515-1-BLK	BLK

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768825
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
FD-2	339707-007	SMP
	339707-007 S	MS
	339707-007 SD	MSD
	535588-1-BKS	BKS
	535588-1-BLK	BLK
	535588-1-BSD	BSD

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	769149
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
FD-2	339707-007	SMP
FD-2 DL	339707-007	DL
SEP-3 (SW)	339707-006	SMP
SEP-3 (SW) DL	339707-006	DL
	339707-006 D	MD
	339707-006 S	MS
	339707-006 SD	MSD
	339707-006 SDL	SDL
	535088-1-BKS	BKS
	535088-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	769153
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339707

Client Sample Id	Lab Sample Id	QC Types
FD-2	339707-007	SMP
SEP-3 (SW)	339707-006	SMP
	339707-006 D	MD
	339707-006 P	PDS
	339707-006 S	MS
	339707-006 SD	MSD
	339707-006 SDL	SDL
	535478-1-BKS	BKS
	535478-1-BLK	BLK

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 535008-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 09:56

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.049	0.050	98	48-120	
2-Fluorophenol	0.032	0.050	64	20-120	
Nitrobenzene-d5	0.044	0.050	88	41-120	
Phenol-d6	0.018	0.050	36	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.029	0.050	58	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 10:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.047	0.050	94	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.026	0.050	52	20-120	
Terphenyl-D14	0.055	0.050	110	51-135	
2,4,6-Tribromophenol	0.041	0.050	82	42-124	

Lab Batch #: 767962 **Sample:** 535008-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 11:12

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.036	0.050	72	20-120	
Nitrobenzene-d5	0.049	0.050	98	41-120	
Phenol-d6	0.025	0.050	50	20-120	
Terphenyl-D14	0.057	0.050	114	51-135	
2,4,6-Tribromophenol	0.042	0.050	84	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 17:37

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.050	90	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.047	0.050	94	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.054	0.050	108	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

Lab Batch #: 767962 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 18:15

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.044	0.050	88	48-120	
2-Fluorophenol	0.033	0.050	66	20-120	
Nitrobenzene-d5	0.045	0.050	90	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.040	0.050	80	42-124	

Lab Batch #: 767962 **Sample:** 339571-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 19:30

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.048	0.050	96	48-120	
2-Fluorophenol	0.034	0.050	68	20-120	
Nitrobenzene-d5	0.048	0.050	96	41-120	
Phenol-d6	0.024	0.050	48	20-120	
Terphenyl-D14	0.058	0.050	116	51-135	
2,4,6-Tribromophenol	0.043	0.050	86	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 339571-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/07/09 20:08

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.043	0.050	86	48-120	
2-Fluorophenol	0.030	0.050	60	20-120	
Nitrobenzene-d5	0.042	0.050	84	41-120	
Phenol-d6	0.022	0.050	44	20-120	
Terphenyl-D14	0.053	0.050	106	51-135	
2,4,6-Tribromophenol	0.039	0.050	78	42-124	

Lab Batch #: 767962 **Sample:** 339707-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 14:44

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.050	92	48-120	
2-Fluorophenol	0.020	0.050	40	20-120	
Nitrobenzene-d5	0.041	0.050	82	41-120	
Phenol-d6	0.014	0.050	28	20-120	
Terphenyl-D14	0.050	0.050	100	51-135	
2,4,6-Tribromophenol	0.038	0.050	76	42-124	

Lab Batch #: 767962 **Sample:** 339707-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 15:22

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.046	0.051	90	48-120	
2-Fluorophenol	0.013	0.051	25	20-120	
Nitrobenzene-d5	0.040	0.051	78	41-120	
Phenol-d6	0.010	0.051	20	20-120	
Terphenyl-D14	0.050	0.051	98	51-135	
2,4,6-Tribromophenol	0.024	0.051	47	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 339707-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 16:01

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.045	0.051	88	48-120	
2-Fluorophenol	0.025	0.051	49	20-120	
Nitrobenzene-d5	0.041	0.051	80	41-120	
Phenol-d6	0.014	0.051	27	20-120	
Terphenyl-D14	0.051	0.051	100	51-135	
2,4,6-Tribromophenol	0.040	0.051	78	42-124	

Lab Batch #: 767962 **Sample:** 339707-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 16:40

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.038	0.050	76	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.033	0.050	66	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.043	0.050	86	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 767962 **Sample:** 339707-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 17:18

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.039	0.051	76	48-120	
2-Fluorophenol	0.021	0.051	41	20-120	
Nitrobenzene-d5	0.034	0.051	67	41-120	
Phenol-d6	0.014	0.051	27	20-120	
Terphenyl-D14	0.043	0.051	84	51-135	
2,4,6-Tribromophenol	0.024	0.051	47	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 339707-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 17:57

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.040	0.050	80	48-120	
2-Fluorophenol	0.021	0.050	42	20-120	
Nitrobenzene-d5	0.035	0.050	70	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.044	0.050	88	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 767962 **Sample:** 339707-006 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 18:35

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.050	84	48-120	
2-Fluorophenol	0.026	0.050	52	20-120	
Nitrobenzene-d5	0.039	0.050	78	41-120	
Phenol-d6	0.019	0.050	38	20-120	
Terphenyl-D14	0.045	0.050	90	51-135	
2,4,6-Tribromophenol	0.031	0.050	62	42-124	

Lab Batch #: 767962 **Sample:** 339707-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 19:13

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.038	0.050	76	48-120	
2-Fluorophenol	0.025	0.050	50	20-120	
Nitrobenzene-d5	0.035	0.050	70	41-120	
Phenol-d6	0.019	0.050	38	20-120	
Terphenyl-D14	0.041	0.050	82	51-135	
2,4,6-Tribromophenol	0.029	0.050	58	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 767962 **Sample:** 339707-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 19:51

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.038	0.050	76	48-120	
2-Fluorophenol	0.023	0.050	46	20-120	
Nitrobenzene-d5	0.034	0.050	68	41-120	
Phenol-d6	0.015	0.050	30	20-120	
Terphenyl-D14	0.042	0.050	84	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 768709 **Sample:** 535501-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 12:31

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.600	10.00	96	74-121	
Dibromofluoromethane	8.960	10.00	90	80-120	
1,2-Dichloroethane-D4	9.030	10.00	90	62-139	
Toluene-D8	10.09	10.00	101	81-117	

Lab Batch #: 768709 **Sample:** 535501-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 15:32

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.120	10.00	91	74-121	
Dibromofluoromethane	9.950	10.00	100	80-120	
1,2-Dichloroethane-D4	10.28	10.00	103	62-139	
Toluene-D8	8.820	10.00	88	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 768709 **Sample:** 339707-006 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 15:53

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.750	10.00	98	74-121	
Dibromofluoromethane	9.470	10.00	95	80-120	
1,2-Dichloroethane-D4	10.00	10.00	100	62-139	
Toluene-D8	9.630	10.00	96	81-117	

Lab Batch #: 768709 **Sample:** 339707-006 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:21

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.520	10.00	95	74-121	
Dibromofluoromethane	8.880	10.00	89	80-120	
1,2-Dichloroethane-D4	9.110	10.00	91	62-139	
Toluene-D8	9.760	10.00	98	81-117	

Lab Batch #: 768709 **Sample:** 339707-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 18:43

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.320	10.00	93	74-121	
Dibromofluoromethane	9.600	10.00	96	80-120	
1,2-Dichloroethane-D4	9.590	10.00	96	62-139	
Toluene-D8	9.610	10.00	96	81-117	

Lab Batch #: 768709 **Sample:** 339707-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 19:25

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.490	10.00	95	74-121	
Dibromofluoromethane	8.960	10.00	90	80-120	
1,2-Dichloroethane-D4	10.35	10.00	104	62-139	
Toluene-D8	9.710	10.00	97	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 768709 **Sample:** 339707-002 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 19:47

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.230	10.00	92	74-121	
Dibromofluoromethane	9.480	10.00	95	80-120	
1,2-Dichloroethane-D4	9.900	10.00	99	62-139	
Toluene-D8	9.850	10.00	99	81-117	

Lab Batch #: 768709 **Sample:** 339707-003 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 20:08

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.330	10.00	93	74-121	
Dibromofluoromethane	9.420	10.00	94	80-120	
1,2-Dichloroethane-D4	10.56	10.00	106	62-139	
Toluene-D8	10.01	10.00	100	81-117	

Lab Batch #: 768709 **Sample:** 339707-004 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 20:29

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.590	10.00	96	74-121	
Dibromofluoromethane	9.770	10.00	98	80-120	
1,2-Dichloroethane-D4	9.990	10.00	100	62-139	
Toluene-D8	9.600	10.00	96	81-117	

Lab Batch #: 768709 **Sample:** 339707-005 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 20:51

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.190	10.00	92	74-121	
Dibromofluoromethane	10.27	10.00	103	80-120	
1,2-Dichloroethane-D4	10.06	10.00	101	62-139	
Toluene-D8	9.920	10.00	99	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 768709 **Sample:** 339707-007 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/14/09 21:12

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.730	10.00	97	74-121	
Dibromofluoromethane	10.04	10.00	100	80-120	
1,2-Dichloroethane-D4	11.76	10.00	118	62-139	
Toluene-D8	9.240	10.00	92	81-117	

Lab Batch #: 768724 **Sample:** 535515-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 12:39

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.680	10.00	97	74-121	
Dibromofluoromethane	9.310	10.00	93	80-120	
1,2-Dichloroethane-D4	10.12	10.00	101	62-139	
Toluene-D8	10.33	10.00	103	81-117	

Lab Batch #: 768724 **Sample:** 535515-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 13:43

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.110	10.00	91	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	9.850	10.00	99	62-139	
Toluene-D8	9.820	10.00	98	81-117	

Lab Batch #: 768724 **Sample:** 339707-008 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:05

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.060	10.00	91	74-121	
Dibromofluoromethane	8.900	10.00	89	80-120	
1,2-Dichloroethane-D4	9.870	10.00	99	62-139	
Toluene-D8	9.360	10.00	94	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339707,

Project ID:

Lab Batch #: 768724 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:47

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.700	10.00	97	74-121	
Dibromofluoromethane	9.190	10.00	92	80-120	
1,2-Dichloroethane-D4	10.05	10.00	101	62-139	
Toluene-D8	9.890	10.00	99	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 15:09

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.720	10.00	97	74-121	
Dibromofluoromethane	9.570	10.00	96	80-120	
1,2-Dichloroethane-D4	9.800	10.00	98	62-139	
Toluene-D8	9.490	10.00	95	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768515 **Sample:** 535086-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

[nductively Coupled Plasma Atomic Emission Sp Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.205	103	75-125	
Barium	<0.001	0.050	0.052	104	75-125	
Beryllium	<0.0006	0.0200	0.0202	101	75-125	
Boron	<0.002	0.020	0.018	90	75-125	
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.10	103	75-125	
Chromium	<0.001	0.050	0.048	96	75-125	
Cobalt	<0.001	0.050	0.048	96	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.054	108	75-125	
Magnesium	<0.200	3.00	2.99	100	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.052	104	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.03	102	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	0.020	1.00	1.09	109	75-125	
Titanium	<0.005	1.00	0.979	98	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 769149 **Sample:** 535088-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

[nductively Coupled Plasma Atomic Emission Sp Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.211	106	75-125	
Antimony	<0.005	0.020	0.019	95	75-125	
Barium	<0.001	0.050	0.053	106	75-125	
Beryllium	<0.0006	0.0200	0.0194	97	75-125	
Boron	<0.002	0.020	0.036	180	75-125	H
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.00	100	75-125	
Chromium	0.001	0.050	0.047	94	75-125	
Cobalt	<0.001	0.050	0.047	94	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.053	106	75-125	
Magnesium	<0.200	3.00	3.25	108	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.051	102	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.11	106	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	<0.015	1.00	1.09	109	75-125	
Titanium	<0.005	1.00	0.962	96	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Lab Batch #: 768674 **Sample:** 535477-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<0.005	0.020	0.018	90	75-125	
Arsenic	<0.002	0.050	0.049	98	75-125	
Copper	<0.002	0.050	0.051	102	75-125	
Zinc	<0.001	0.050	0.049	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 769153 **Sample:** 535478-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<0.002	0.050	0.048	96	75-125	
Chromium	<0.001	0.050	0.044	88	75-125	
Copper	<0.002	0.050	0.048	96	75-125	
Zinc	<0.001	0.050	0.047	94	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	38.8	78	40-135	
Benzene	<0.200	10.0	8.19	82	81-122	
Bromobenzene	<0.200	10.0	9.50	95	76-124	
Bromochloromethane	<0.200	10.0	9.86	99	65-129	
Bromodichloromethane	<0.200	10.0	9.51	95	76-121	
Bromoform	<0.200	10.0	10.5	105	69-128	
Bromomethane	<0.200	10.0	8.78	88	53-141	
2-Butanone	<1.00	50.0	45.8	92	49-136	
tert-Butylbenzene	<0.200	10.0	8.80	88	70-129	
Sec-Butylbenzene	<0.200	10.0	8.78	88	72-127	
n-Butylbenzene	<0.200	10.0	8.43	84	69-137	
Carbon Disulfide	0.290	10.0	10.1	101	10-200	
Carbon Tetrachloride	<0.200	10.0	8.42	84	66-138	
Chlorobenzene	<0.200	10.0	9.44	94	81-122	
Chloroethane	<0.200	10.0	7.23	72	58-133	
Chloroform	<0.200	10.0	8.29	83	69-128	
1-Chlorohexane	<0.200	10.0	9.88	99	70-125	
Chloromethane	<0.200	10.0	7.07	71	56-131	
4-Chlorotoluene	<0.200	10.0	8.98	90	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.57	96	50-132	
Dibromochloromethane	<0.200	10.0	9.51	95	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.12	91	80-121	
Dibromomethane	<0.200	10.0	9.53	95	76-125	
Cyclohexane	<2.00	10.0	7.36	74	10-200	
1,2-Dichlorobenzene	<0.200	10.0	8.69	87	71-133	
1,3-Dichlorobenzene	<0.200	10.0	9.66	97	75-124	
1,4-Dichlorobenzene	<0.200	10.0	8.55	86	74-123	
Dichlorodifluoromethane	<0.200	10.0	8.15	82	53-153	
1,1-Dichloroethane	<0.200	10.0	9.05	91	69-133	
1,2-Dichloroethane	<0.200	10.0	8.50	85	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.27	93	72-126	
trans-1,2-dichloroethene	<0.200	10.0	7.85	79	63-137	
1,1-Dichloroethene	<0.200	10.0	8.78	88	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	9.24	92	75-125	
1,3-Dichloropropane	<0.200	10.0	9.37	94	73-126	
2,2-Dichloropropane	<0.200	10.0	8.40	84	69-137	
1,1-Dichloropropene	<0.200	10.0	8.38	84	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	8.75	88	69-131	
trans-1,3-dichloropropene	<0.200	10.0	8.82	88	59-135	
Ethylbenzene	<0.200	10.0	8.97	90	73-127	
Hexachlorobutadiene	<0.200	10.0	7.69	77	67-131	
2-Hexanone	<1.00	50.0	44.3	89	50-150	
isopropylbenzene	<0.200	10.0	9.06	91	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	9.01	90	73-130	
Methylene Chloride	1.43	10.0	9.74	97	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	9.83	98	58-134	
MTBE	<0.200	10.0	8.96	90	65-123	
Naphthalene	<0.200	10.0	9.44	94	54-138	
n-Propylbenzene	<0.200	10.0	8.91	89	72-129	
Styrene	<0.200	10.0	9.18	92	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	8.98	90	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	9.92	99	66-128	
Toluene	<0.200	10.0	7.90	79	77-122	
Methyl Acetate	<0.500	10.0	8.66	87	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	8.90	89	67-137	
Methylcyclohexane	<0.500	10.0	7.13	71	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	9.19	92	66-134	
1,1,1-Trichloroethane	<0.200	10.0	8.77	88	67-132	
1,1,2-Trichloroethane	<0.200	10.0	9.52	95	75-125	
Trichloroethene	<0.200	10.0	8.76	88	70-127	
Trichlorofluoromethane	<0.200	10.0	7.58	76	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.2	102	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	8.70	87	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	8.55	86	74-131	
Vinyl Chloride	<0.200	10.0	7.04	70	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768709 **Sample:** 535501-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	8.96	90	80-121	
m,p-Xylenes	<0.400	20.0	19.4	97	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	9.84	98	67-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	37.8	76	40-135	
Benzene	<0.200	10.0	8.88	89	81-122	
Bromobenzene	<0.200	10.0	10.1	101	76-124	
Bromochloromethane	<0.200	10.0	10.4	104	65-129	
Bromodichloromethane	<0.200	10.0	10.2	102	76-121	
Bromoform	<0.200	10.0	11.0	110	69-128	
Bromomethane	<0.200	10.0	9.06	91	53-141	
2-Butanone	<1.00	50.0	40.9	82	49-136	
tert-Butylbenzene	<0.200	10.0	10.4	104	70-129	
Sec-Butylbenzene	<0.200	10.0	10.1	101	72-127	
n-Butylbenzene	<0.200	10.0	9.95	100	69-137	
Carbon Disulfide	<0.200	10.0	10.4	104	10-200	
Carbon Tetrachloride	<0.200	10.0	9.85	99	66-138	
Chlorobenzene	<0.200	10.0	9.96	100	81-122	
Chloroethane	<0.200	10.0	7.26	73	58-133	
Chloroform	<0.200	10.0	9.00	90	69-128	
1-Chlorohexane	<0.200	10.0	10.4	104	70-125	
Chloromethane	<0.200	10.0	7.35	74	56-131	
4-Chlorotoluene	<0.200	10.0	10.1	101	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.27	93	50-132	
Dibromochloromethane	<0.200	10.0	9.76	98	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.72	97	80-121	
Dibromomethane	<0.200	10.0	10.2	102	76-125	
Cyclohexane	<2.00	10.0	9.13	91	10-200	
1,2-Dichlorobenzene	<0.200	10.0	9.88	99	71-133	
1,3-Dichlorobenzene	<0.200	10.0	10.8	108	75-124	
1,4-Dichlorobenzene	<0.200	10.0	9.17	92	74-123	
Dichlorodifluoromethane	<0.200	10.0	9.65	97	53-153	
1,1-Dichloroethane	<0.200	10.0	9.50	95	69-133	
1,2-Dichloroethane	<0.200	10.0	9.21	92	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.82	98	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.31	83	63-137	
1,1-Dichloroethene	<0.200	10.0	9.52	95	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	10.4	104	75-125	
1,3-Dichloropropane	<0.200	10.0	10.5	105	73-126	
2,2-Dichloropropane	<0.200	10.0	9.46	95	69-137	
1,1-Dichloropropene	<0.200	10.0	8.94	89	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	9.63	96	69-131	
trans-1,3-dichloropropene	<0.200	10.0	9.63	96	59-135	
Ethylbenzene	<0.200	10.0	9.93	99	73-127	
Hexachlorobutadiene	<0.200	10.0	9.36	94	67-131	
2-Hexanone	<1.00	50.0	43.0	86	50-150	
isopropylbenzene	<0.200	10.0	10.0	100	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	10.5	105	73-130	
Methylene Chloride	<0.400	10.0	10.1	101	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	11.0	110	58-134	
MTBE	<0.200	10.0	9.45	95	65-123	
Naphthalene	<0.200	10.0	9.69	97	54-138	
n-Propylbenzene	<0.200	10.0	10.1	101	72-129	
Styrene	<0.200	10.0	10.0	100	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	9.58	96	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	11.5	115	66-128	
Toluene	<0.200	10.0	8.85	89	77-122	
Methyl Acetate	<0.500	10.0	9.33	93	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	10.5	105	67-137	
Methylcyclohexane	<0.500	10.0	9.43	94	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	10.3	103	66-134	
1,1,1-Trichloroethane	<0.200	10.0	10.0	100	67-132	
1,1,2-Trichloroethane	<0.200	10.0	10.2	102	75-125	
Trichloroethene	<0.200	10.0	9.91	99	70-127	
Trichlorofluoromethane	<0.200	10.0	9.47	95	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.9	109	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	9.33	93	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	9.80	98	74-131	
Vinyl Chloride	<0.200	10.0	7.62	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	9.70	97	80-121	
m,p-Xylenes	<0.400	20.0	20.8	104	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	12.9	129	67-125	H

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768392 **Sample:** 535307-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Analyst: LATCOR **Date Prepared:** 08/14/2009 **Date Analyzed:** 08/18/2009

Lab Batch ID: 768825 **Sample:** 535588-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0011	110	0.001	0.0011	110	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339707 **Project ID:**

Analyst: KAN **Date Prepared:** 08/06/2009 **Date Analyzed:** 08/07/2009

Lab Batch ID: 767962 **Sample:** 535008-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.001	0.050	0.044	88	0.05	0.046	92	4	47-120	20	
Acenaphthylene	<0.001	0.050	0.044	88	0.05	0.046	92	4	50-120	20	
Anthracene	<0.001	0.050	0.046	92	0.05	0.047	94	2	54-120	20	
Benzo(a)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	56-100	20	
Benzo(a)pyrene	<0.001	0.050	0.051	102	0.05	0.053	106	4	53-120	20	
Benzo(b)fluoranthene	<0.001	0.050	0.048	96	0.05	0.052	104	8	45-124	20	
Benzo(k)fluoranthene	<0.001	0.050	0.051	102	0.05	0.052	104	2	45-124	20	
Benzo(g,h,i)perylene	<0.001	0.050	0.042	84	0.05	0.044	88	5	38-123	20	
Benzoic Acid	<0.009	0.150	0.105	70	0.15	0.107	71	2	20-120	20	
Benzyl Alcohol	<0.001	0.050	0.042	84	0.05	0.046	92	9	30-120	20	
Benzyl Butyl Phthalate	<0.001	0.050	0.053	106	0.05	0.056	112	6	46-120	20	
bis(2-chloroethoxy) methane	<0.001	0.050	0.042	84	0.05	0.042	84	0	46-120	20	
bis(2-chloroethyl) ether	<0.001	0.050	0.041	82	0.05	0.043	86	5	37-120	20	
bis(2-chloroisopropyl) ether	<0.001	0.050	0.036	72	0.05	0.035	70	3	26-131	20	
bis(2-ethylhexyl) phthalate	<0.001	0.050	0.045	90	0.05	0.046	92	2	42-126	20	
4-Bromophenyl-phenylether	<0.001	0.050	0.046	92	0.05	0.048	96	4	52-120	20	
4-chloro-3-methylphenol	<0.001	0.050	0.048	96	0.05	0.041	82	16	47-120	20	
4-Chloroaniline	<0.001	0.050	0.054	108	0.05	0.063	126	15	20-120	20	H
2-Chloronaphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	49-120	20	
2-Chlorophenol	<0.001	0.050	0.044	88	0.05	0.046	92	4	37-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339707
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Units: mg/L

Date Prepared: 08/06/2009
Batch #: 1

Project ID:
Date Analyzed: 08/07/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorophenyl Phenyl Ether	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Chrysene	<0.001	0.050	0.050	100	0.05	0.053	106	6	55-120	20	
Dibenz(a,h)anthracene	<0.001	0.050	0.046	92	0.05	0.048	96	4	42-127	20	
Dibenzofuran	<0.001	0.050	0.046	92	0.05	0.048	96	4	54-120	20	
di-n-Butyl Phthalate	<0.003	0.050	0.044	88	0.05	0.046	92	4	54-120	20	
3,3-Dichlorobenzidine	<0.002	0.050	0.055	110	0.05	0.062	124	12	20-120	20	H
2,4-Dichlorophenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	48-120	20	
Diethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.047	94	2	41-120	20	
Dimethyl Phthalate	<0.001	0.050	0.046	92	0.05	0.048	96	4	25-127	20	
2,4-Dimethylphenol	<0.001	0.050	0.051	102	0.05	0.054	108	6	28-120	20	
4,6-dinitro-2-methyl phenol	<0.001	0.050	0.043	86	0.05	0.047	94	9	40-137	20	
2,4-Dinitrophenol	<0.001	0.050	0.043	86	0.05	0.034	68	23	25-130	20	F
2,4-Dinitrotoluene	<0.001	0.050	0.047	94	0.05	0.049	98	4	51-120	20	
2,6-Dinitrotoluene	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-120	20	
di-n-Octyl Phthalate	<0.001	0.050	0.048	96	0.05	0.049	98	2	37-137	20	
Fluoranthene	<0.001	0.050	0.045	90	0.05	0.047	94	4	54-120	20	
Fluorene	<0.001	0.050	0.046	92	0.05	0.048	96	4	50-120	20	
Hexachlorobenzene	<0.001	0.050	0.047	94	0.05	0.049	98	4	52-120	20	
Hexachlorobutadiene	<0.001	0.050	0.037	74	0.05	0.040	80	8	27-120	20	
Hexachlorocyclopentadiene	<0.001	0.050	0.044	88	0.05	0.046	92	4	41-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339707
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Units: mg/L

Date Prepared: 08/06/2009
Batch #: 1

Project ID:
Date Analyzed: 08/07/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachloroethane	<0.001	0.050	0.033	66	0.05	0.036	72	9	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.001	0.050	0.048	96	0.05	0.050	100	4	43-125	20	
Isophorone	<0.001	0.050	0.052	104	0.05	0.055	110	6	50-120	20	
2-Methylnaphthalene	<0.001	0.050	0.050	100	0.05	0.051	102	2	46-120	20	
2-methylphenol	<0.001	0.050	0.043	86	0.05	0.044	88	2	38-120	20	
3&4-Methylphenol	<0.002	0.100	0.087	87	0.1	0.088	88	1	32-120	20	
Naphthalene	<0.001	0.050	0.043	86	0.05	0.045	90	5	39-120	20	
2-Nitroaniline	<0.001	0.050	0.043	86	0.05	0.044	88	2	48-120	20	
3-Nitroaniline	<0.002	0.050	0.048	96	0.05	0.056	112	15	20-126	20	
4-Nitroaniline	<0.001	0.050	0.061	122	0.05	0.064	128	5	36-120	20	H
Nitrobenzene	<0.001	0.050	0.044	88	0.05	0.046	92	4	44-120	20	
2-Nitrophenol	<0.001	0.050	0.051	102	0.05	0.053	106	4	39-123	20	
4-Nitrophenol	<0.001	0.050	0.035	70	0.05	0.035	70	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.001	0.050	0.056	112	0.05	0.057	114	2	34-128	20	
N-Nitrosodiphenylamine	<0.002	0.050	0.038	76	0.05	0.040	80	5	48-120	20	
Pentachlorophenol	<0.001	0.050	0.025	50	0.05	0.028	56	11	38-120	20	
Phenanthrene	<0.001	0.050	0.045	90	0.05	0.047	94	4	51-120	20	
Phenol	<0.001	0.050	0.030	60	0.05	0.031	62	3	20-120	20	
Pyrene	<0.001	0.050	0.056	112	0.05	0.059	118	5	49-128	20	
2,4,5-Trichlorophenol	<0.001	0.050	0.042	84	0.05	0.042	84	0	49-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339707
Analyst: KAN
Lab Batch ID: 767962
Sample: 535008-1-BKS
Batch #: 1
Units: mg/L

Date Prepared: 08/06/2009
Project ID:
Date Analyzed: 08/07/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<0.001	0.050	0.045	90	0.05	0.046	92	2	49-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.039	0.200	0.249	105	0.200	0.241	101	3	75-125	25	
Antimony	0.008	0.020	0.031	115	0.020	0.030	110	3	75-125	25	
Arsenic	0.022	0.050	0.076	108	0.050	0.075	106	1	75-125	25	
Barium	0.069	0.050	0.095	52	0.050	0.092	46	3	75-125	25	X
Beryllium	<0.0010	0.0200	0.0162	81	0.0200	0.0160	80	1	75-125	25	
Boron	0.474	0.020	0.496	110	0.020	0.491	85	1	75-125	25	
Cadmium	0.005	0.020	0.024	95	0.020	0.024	95	0	75-125	25	
Calcium	156	3.00	158	67	3.00	156	0	1	75-125	25	X
Chromium	0.002	0.050	0.049	94	0.050	0.049	94	0	75-125	25	
Cobalt	<0.005	0.050	0.047	94	0.050	0.047	94	0	75-125	25	
Copper	0.041	0.050	0.072	62	0.050	0.071	60	1	75-125	25	X
Iron	1.79	0.200	2.01	110	0.200	2.08	145	3	75-125	25	X
Lead	0.002	0.050	0.053	102	0.050	0.052	100	2	75-125	25	
Magnesium	73.0	3.00	76.4	113	3.00	75.5	83	1	75-125	25	
Manganese	0.002	0.050	0.050	96	0.050	0.049	94	2	75-125	25	
Molybdenum	0.007	0.050	0.059	104	0.050	0.059	104	0	75-125	25	
Nickel	0.004	0.050	0.053	98	0.050	0.052	96	2	75-125	25	
Potassium	22.2	2.00	24.1	95	2.00	23.8	80	1	75-125	25	
Selenium	0.022	0.050	0.069	94	0.050	0.068	92	1	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.017	85	6	75-125	25	
Thallium	<0.003	0.050	0.035	70	0.050	0.038	76	8	75-125	25	X
Tin	0.020	1.00	1.07	105	1.00	1.06	104	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	0.994	99	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.015	0.050	0.063	96	0.050	0.061	92	3	75-125	25	
Zinc	0.031	0.050	0.077	92	0.050	0.077	92	0	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	0.025	0.200	0.235	105	0.200	0.243	109	3	75-125	25	
Antimony	<0.006	0.020	0.031	155	0.020	0.031	155	0	75-125	25	X
Arsenic	0.052	0.050	0.103	102	0.050	0.105	106	2	75-125	25	
Barium	0.035	0.050	0.088	106	0.050	0.089	108	1	75-125	25	
Beryllium	<0.0010	0.0200	0.0128	64	0.0200	0.0127	64	1	75-125	25	X
Boron	2.38	0.020	2.43	250	0.020	2.43	250	0	75-125	25	X
Cadmium	0.006	0.020	0.025	95	0.020	0.025	95	0	75-125	25	
Calcium	262	3.00	270	267	3.00	268	200	1	75-125	25	X
Chromium	0.611	0.050	0.665	108	0.050	0.673	124	1	75-125	25	
Cobalt	0.001	0.050	0.049	96	0.050	0.050	98	2	75-125	25	
Copper	0.031	0.050	0.080	98	0.050	0.085	108	6	75-125	25	
Iron	3.54	0.200	3.76	110	0.200	3.93	195	4	75-125	25	X
Lead	<0.002	0.050	0.054	108	0.050	0.054	108	0	75-125	25	
Magnesium	138	3.00	141	100	3.00	145	233	3	75-125	25	X
Manganese	0.003	0.050	0.051	96	0.050	0.052	98	2	75-125	25	
Molybdenum	0.145	0.050	0.198	106	0.050	0.200	110	1	75-125	25	
Nickel	0.015	0.050	0.064	98	0.050	0.065	100	2	75-125	25	
Potassium	51.7	2.00	54.5	140	2.00	54.5	140	0	75-125	25	X
Selenium	0.942	0.050	0.984	84	0.050	1.00	116	2	75-125	25	
Silver	<0.002	0.020	0.017	85	0.020	0.018	90	6	75-125	25	
Thallium	0.003	0.050	0.038	70	0.050	0.043	80	12	75-125	25	X
Tin	<0.050	1.00	1.06	106	1.00	1.07	107	1	75-125	25	
Titanium	<0.010	1.00	1.01	101	1.00	1.03	103	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768515 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.013	0.050	0.065	104	0.050	0.068	110	5	75-125	25	
Zinc	0.053	0.050	0.098	90	0.050	0.101	96	3	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 769149 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	2.92	0.200	3.11	95	0.200	3.31	195	6	75-125	25	X
Antimony	0.006	0.020	0.029	115	0.020	0.029	115	0	75-125	25	
Arsenic	0.014	0.050	0.062	96	0.050	0.063	98	2	75-125	25	
Barium	0.133	0.050	0.176	86	0.050	0.179	92	2	75-125	25	
Beryllium	<0.0010	0.0200	0.0173	87	0.0200	0.0169	85	2	75-125	25	
Boron	0.169	0.020	0.179	50	0.020	0.171	10	5	75-125	25	X
Cadmium	<0.001	0.020	0.021	105	0.020	0.021	105	0	75-125	25	
Calcium	61.1	3.00	61.3	7	3.00	61.0	0	0	75-125	25	X
Chromium	0.003	0.050	0.050	94	0.050	0.050	94	0	75-125	25	
Cobalt	0.001	0.050	0.048	94	0.050	0.049	96	2	75-125	25	
Copper	0.012	0.050	0.061	98	0.050	0.062	100	2	75-125	25	
Iron	2.59	0.200	2.58	0	0.200	2.78	95	7	75-125	25	X
Lead	0.003	0.050	0.054	102	0.050	0.053	100	2	75-125	25	
Magnesium	14.0	3.00	16.4	80	3.00	16.8	93	2	75-125	25	
Manganese	0.167	0.050	0.207	80	0.050	0.213	92	3	75-125	25	
Molybdenum	0.006	0.050	0.056	100	0.050	0.058	104	4	75-125	25	
Nickel	0.005	0.050	0.053	96	0.050	0.054	98	2	75-125	25	
Potassium	7.54	2.00	9.17	82	2.00	9.18	82	0	75-125	25	
Selenium	0.002	0.050	0.047	90	0.050	0.048	92	2	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.018	90	0	75-125	25	
Thallium	<0.003	0.050	0.044	88	0.050	0.046	92	4	75-125	25	
Tin	0.020	1.00	1.06	104	1.00	1.06	104	0	75-125	25	
Titanium	0.058	1.00	0.979	92	1.00	0.991	93	1	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 769149 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Vanadium	0.012	0.050	0.066	108	0.050	0.067	110	2	75-125	25	
Zinc	0.013	0.050	0.060	94	0.050	0.061	96	2	75-125	25	

Lab Batch ID: 768392 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0001	0.0010	0.0010	100	0.0010	0.0010	100	0	75-125	20	

Lab Batch ID: 768825 **QC- Sample ID:** 339707-007 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/18/2009 **Date Prepared:** 08/14/2009 **Analyst:** LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	0.0002	0.0010	0.0012	100	0.0010	0.0012	100	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.044	88	0.050	0.043	86	2	47-120	20	
Acenaphthylene	<0.010	0.050	0.044	88	0.050	0.043	86	2	50-120	20	
Anthracene	<0.010	0.050	0.044	88	0.050	0.043	86	2	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.049	98	0.050	0.048	96	2	56-100	20	
Benzo(a)pyrene	<0.010	0.050	0.050	100	0.050	0.049	98	2	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.048	96	0.050	0.047	94	2	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.050	100	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.041	82	9	38-123	20	
Benzoic Acid	<0.100	0.150	0.106	71	0.150	0.103	69	3	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.040	80	7	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.053	106	0.050	0.052	104	2	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.041	82	0.050	0.040	80	2	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.038	76	8	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.035	70	0.050	0.037	74	6	26-131	20	
bis(2-ethylhexyl) phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.045	90	0.050	0.044	88	2	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.050	100	0.050	0.048	96	4	47-120	20	
4-Chloroaniline	<0.020	0.050	0.043	86	0.050	0.045	90	5	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2-Chlorophenol	<0.010	0.050	0.042	84	0.050	0.041	82	2	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.046	92	0.050	0.044	88	4	50-120	20	
Chrysene	<0.010	0.050	0.051	102	0.050	0.050	100	2	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.046	92	0.050	0.044	88	4	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.034	68	0.050	0.033	66	3	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.048	96	0.050	0.048	96	0	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.045	90	0.050	0.045	90	0	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.046	92	0.050	0.045	90	2	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.035	70	0.050	0.029	58	19	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.042	84	0.050	0.043	86	2	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.039	78	0.050	0.041	82	5	25-130	20	
2,4-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.045	90	2	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.044	88	0.050	0.044	88	0	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.048	96	0.050	0.048	96	0	37-137	20	
Fluoranthene	<0.010	0.050	0.044	88	0.050	0.044	88	0	54-120	20	
Fluorene	<0.010	0.050	0.046	92	0.050	0.045	90	2	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.044	88	0.050	0.042	84	5	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.044	88	0.050	0.043	86	2	41-125	20	
Hexachloroethane	<0.010	0.050	0.040	80	0.050	0.038	76	5	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.047	94	0.050	0.045	90	4	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.050	100	6	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.052	104	0.050	0.050	100	4	46-120	20	
2-methylphenol	<0.010	0.050	0.039	78	0.050	0.039	78	0	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.080	80	0.100	0.079	79	1	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.045	90	0.050	0.044	88	2	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.046	92	0.050	0.047	94	2	20-126	20	
4-Nitroaniline	<0.050	0.050	0.049	98	0.050	0.050	100	2	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.042	84	5	44-120	20	
2-Nitrophenol	<0.010	0.050	0.049	98	0.050	0.048	96	2	39-123	20	
4-Nitrophenol	<0.050	0.050	0.034	68	0.050	0.034	68	0	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.056	112	0.050	0.054	108	4	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.037	74	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.024	48	0.050	0.028	56	15	38-120	20	
Phenanthrene	<0.010	0.050	0.045	90	0.050	0.044	88	2	51-120	20	
Phenol	<0.010	0.050	0.028	56	0.050	0.028	56	0	20-120	20	
Pyrene	<0.010	0.050	0.056	112	0.050	0.054	108	4	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.041	82	0.050	0.041	82	0	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.044	88	0.050	0.043	86	2	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.045	90	0.050	0.042	84	7	47-120	20	
Acenaphthylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	50-120	20	
Anthracene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.051	102	0.050	0.048	96	6	56-100	20	X
Benzo(a)pyrene	<0.010	0.050	0.051	102	0.050	0.048	96	6	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.049	98	0.050	0.046	92	6	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.048	96	0.050	0.046	92	4	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.045	90	0.050	0.042	84	7	38-123	20	
Benzoic Acid	<0.100	0.150	0.111	74	0.150	0.109	73	2	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.043	86	0.050	0.039	78	10	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.055	110	0.050	0.052	104	6	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.042	84	0.050	0.039	78	7	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.041	82	0.050	0.036	72	13	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.039	78	0.050	0.035	70	11	26-131	20	
bis(2-ethylhexyl) phthalate	0.065	0.050	0.090	50	0.050	0.087	44	3	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.046	92	0.050	0.043	86	7	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.037	74	0.050	0.034	68	8	47-120	20	
4-Chloroaniline	<0.020	0.050	0.053	106	0.050	0.050	100	6	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.044	88	0.050	0.041	82	7	49-120	20	
2-Chlorophenol	<0.010	0.050	0.043	86	0.050	0.038	76	12	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Chrysene	<0.010	0.050	0.039	78	0.050	0.036	72	8	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.043	86	0.050	0.041	82	5	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.047	94	0.050	0.044	88	7	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.045	90	0.050	0.042	84	7	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.032	64	0.050	0.034	68	6	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.051	102	0.050	0.047	94	8	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.044	88	7	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.047	94	0.050	0.045	90	4	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.044	88	0.050	0.045	90	2	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.045	90	0.050	0.042	84	7	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.033	66	0.050	0.041	82	22	25-130	20	F
2,4-Dinitrotoluene	<0.010	0.050	0.047	94	0.050	0.044	88	7	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.046	92	0.050	0.043	86	7	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.049	98	0.050	0.046	92	6	37-137	20	
Fluoranthene	<0.010	0.050	0.045	90	0.050	0.043	86	5	54-120	20	
Fluorene	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.046	92	0.050	0.044	88	4	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.045	90	0.050	0.040	80	12	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.045	90	0.050	0.043	86	5	41-125	20	
Hexachloroethane	<0.010	0.050	0.041	82	0.050	0.036	72	13	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	43-125	20	
Isophorone	<0.010	0.050	0.053	106	0.050	0.049	98	8	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.053	106	0.050	0.049	98	8	46-120	20	
2-methylphenol	<0.010	0.050	0.041	82	0.050	0.039	78	5	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.083	83	0.100	0.079	79	5	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/07/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.046	92	0.050	0.042	84	9	39-120	20	
2-Nitroaniline	<0.050	0.050	0.043	86	0.050	0.042	84	2	48-120	20	
3-Nitroaniline	<0.050	0.050	0.050	100	0.050	0.048	96	4	20-126	20	
4-Nitroaniline	<0.050	0.050	0.052	104	0.050	0.056	112	7	36-120	20	
Nitrobenzene	<0.010	0.050	0.044	88	0.050	0.040	80	10	44-120	20	
2-Nitrophenol	<0.010	0.050	0.050	100	0.050	0.046	92	8	39-123	20	
4-Nitrophenol	<0.050	0.050	0.036	72	0.050	0.034	68	6	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.057	114	0.050	0.053	106	7	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.036	72	0.050	0.035	70	3	48-120	20	
Pentachlorophenol	<0.050	0.050	0.028	56	0.050	0.028	56	0	38-120	20	
Phenanthrene	<0.010	0.050	0.046	92	0.050	0.043	86	7	51-120	20	
Phenol	<0.010	0.050	0.029	58	0.050	0.027	54	7	20-120	20	
Pyrene	<0.010	0.050	0.058	116	0.050	0.055	110	5	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.044	88	0.050	0.042	84	5	49-120	20	
2,4,6-Trichlorophenol	<0.010	0.050	0.045	90	0.050	0.042	84	7	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.010	0.050	0.038	76	0.050	0.036	72	5	47-120	20	
Acenaphthylene	<0.010	0.050	0.039	78	0.050	0.036	72	8	50-120	20	
Anthracene	<0.010	0.050	0.038	76	0.050	0.035	70	8	54-120	20	
Benzo(a)anthracene	<0.010	0.050	0.041	82	0.050	0.038	76	8	56-100	20	
Benzo(a)pyrene	<0.010	0.050	0.042	84	0.050	0.038	76	10	53-120	20	
Benzo(b)fluoranthene	<0.010	0.050	0.038	76	0.050	0.033	66	14	45-124	20	
Benzo(k)fluoranthene	<0.010	0.050	0.043	86	0.050	0.040	80	7	45-124	20	
Benzo(g,h,i)perylene	<0.010	0.050	0.042	84	0.050	0.038	76	10	38-123	20	
Benzoic Acid	<0.100	0.150	0.104	69	0.150	0.105	70	1	20-120	20	
Benzyl Alcohol	<0.020	0.050	0.034	68	0.050	0.032	64	6	30-120	20	
Benzyl Butyl Phthalate	<0.010	0.050	0.046	92	0.050	0.042	84	9	46-120	20	
bis(2-chloroethoxy) methane	<0.010	0.050	0.036	72	0.050	0.033	66	9	46-120	20	
bis(2-chloroethyl) ether	<0.010	0.050	0.032	64	0.050	0.030	60	6	37-120	20	
bis(2-chloroisopropyl) ether	<0.010	0.050	0.034	68	0.050	0.031	62	9	26-131	20	
bis(2-ethylhexyl) phthalate	<0.010	0.050	0.042	84	0.050	0.040	80	5	42-126	20	
4-Bromophenyl-phenylether	<0.010	0.050	0.037	74	0.050	0.034	68	8	52-120	20	
4-chloro-3-methylphenol	<0.020	0.050	0.039	78	0.050	0.037	74	5	47-120	20	
4-Chloroaniline	<0.020	0.050	0.040	80	0.050	0.035	70	13	20-120	20	
2-Chloronaphthalene	<0.010	0.050	0.040	80	0.050	0.038	76	5	49-120	20	
2-Chlorophenol	<0.010	0.050	0.035	70	0.050	0.033	66	6	37-120	20	
4-Chlorophenyl Phenyl Ether	<0.010	0.050	0.038	76	0.050	0.035	70	8	50-120	20	
Chrysene	<0.010	0.050	0.045	90	0.050	0.042	84	7	55-120	20	
Dibenz(a,h)anthracene	<0.010	0.050	0.041	82	0.050	0.037	74	10	42-127	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibenzofuran	<0.010	0.050	0.038	76	0.050	0.036	72	5	54-120	20	
di-n-Butyl Phthalate	<0.010	0.050	0.040	80	0.050	0.036	72	11	54-120	20	
3,3-Dichlorobenzidine	<0.020	0.050	0.020	40	0.050	0.020	40	0	20-120	20	
2,4-Dichlorophenol	<0.010	0.050	0.040	80	0.050	0.037	74	8	48-120	20	
Diethyl Phthalate	<0.010	0.050	0.040	80	0.050	0.037	74	8	41-120	20	
Dimethyl Phthalate	<0.010	0.050	0.038	76	0.050	0.036	72	5	25-127	20	
2,4-Dimethylphenol	<0.010	0.050	0.046	92	0.050	0.044	88	4	28-120	20	
4,6-dinitro-2-methyl phenol	<0.050	0.050	0.033	66	0.050	0.030	60	10	40-137	20	
2,4-Dinitrophenol	<0.050	0.050	0.040	80	0.050	0.037	74	8	25-130	20	
2,4-Dinitrotoluene	<0.010	0.050	0.038	76	0.050	0.035	70	8	51-120	20	
2,6-Dinitrotoluene	<0.010	0.050	0.037	74	0.050	0.035	70	6	49-120	20	
di-n-Octyl Phthalate	<0.010	0.050	0.042	84	0.050	0.039	78	7	37-137	20	
Fluoranthene	<0.010	0.050	0.038	76	0.050	0.035	70	8	54-120	20	
Fluorene	<0.010	0.050	0.038	76	0.050	0.036	72	5	50-120	20	
Hexachlorobenzene	<0.010	0.050	0.038	76	0.050	0.035	70	8	52-120	20	
Hexachlorobutadiene	<0.010	0.050	0.038	76	0.050	0.035	70	8	27-120	20	
Hexachlorocyclopentadiene	<0.010	0.050	0.037	74	0.050	0.034	68	8	41-125	20	
Hexachloroethane	<0.010	0.050	0.033	66	0.050	0.030	60	10	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.010	0.050	0.043	86	0.050	0.040	80	7	43-125	20	
Isophorone	<0.010	0.050	0.047	94	0.050	0.044	88	7	50-120	20	
2-Methylnaphthalene	<0.010	0.050	0.047	94	0.050	0.044	88	7	46-120	20	
2-methylphenol	<0.010	0.050	0.035	70	0.050	0.033	66	6	38-120	20	
3&4-Methylphenol	<0.050	0.100	0.073	73	0.100	0.071	71	3	32-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 767962 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/11/2009 **Date Prepared:** 08/06/2009 **Analyst:** KAN

Reporting Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique)	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<0.010	0.050	0.040	80	0.050	0.037	74	8	39-120	20	
2-Nitroaniline	<0.050	0.050	0.035	70	0.050	0.032	64	9	48-120	20	
3-Nitroaniline	<0.050	0.050	0.037	74	0.050	0.033	66	11	20-126	20	
4-Nitroaniline	<0.050	0.050	0.032	64	0.050	0.029	58	10	36-120	20	
Nitrobenzene	<0.010	0.050	0.036	72	0.050	0.034	68	6	44-120	20	
2-Nitrophenol	<0.010	0.050	0.041	82	0.050	0.037	74	10	39-123	20	
4-Nitrophenol	<0.050	0.050	0.035	70	0.050	0.036	72	3	20-120	20	
N-Nitrosodi-n-Propylamine	<0.010	0.050	0.046	92	0.050	0.044	88	4	34-128	20	
N-Nitrosodiphenylamine	<0.010	0.050	0.032	64	0.050	0.029	58	10	48-120	20	
Pentachlorophenol	<0.050	0.050	0.028	56	0.050	0.027	54	4	38-120	20	
Phenanthrene	<0.010	0.050	0.039	78	0.050	0.036	72	8	51-120	20	
Phenol	<0.010	0.050	0.025	50	0.050	0.025	50	0	20-120	20	
Pyrene	<0.010	0.050	0.048	96	0.050	0.044	88	9	49-128	20	
2,4,5-Trichlorophenol	<0.050	0.050	0.039	78	0.050	0.030	60	26	49-120	20	F
2,4,6-Trichlorophenol	<0.010	0.050	0.036	72	0.050	0.033	66	9	49-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768674 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	0.026	130	0.020	0.026	130	0	75-125	25	X
Arsenic	0.018	0.050	0.067	98	0.050	0.068	100	1	75-125	25	
Copper	0.017	0.050	0.063	92	0.050	0.064	94	2	75-125	25	
Zinc	0.021	0.050	0.064	86	0.050	0.064	86	0	75-125	25	

Lab Batch ID: 768674 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<0.006	0.020	<0.006	0	0.020	<0.006	0	NC	75-125	25	X
Arsenic	0.048	0.050	0.049	2	0.050	0.048	0	2	75-125	25	X
Copper	0.028	0.050	0.029	2	0.050	0.029	2	0	75-125	25	X
Zinc	0.045	0.050	0.045	0	0.050	0.045	0	0	75-125	25	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 769153 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.010	0.050	0.054	88	0.050	0.058	96	7	75-125	25	
Chromium	0.003	0.050	0.044	82	0.050	0.048	90	9	75-125	25	
Copper	0.011	0.050	0.054	86	0.050	0.058	94	7	75-125	25	
Zinc	0.012	0.050	0.051	78	0.050	0.055	86	8	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	21.2	42	50.0	29.0	58	31	40-135	40.2	
Benzene	<0.400	10.0	8.40	84	10.0	8.48	85	1	81-122	21	
Bromobenzene	<1.00	10.0	8.44	84	10.0	8.82	88	4	76-124	20	
Bromochloromethane	<1.00	10.0	8.87	89	10.0	8.84	88	0	65-129	20	
Bromodichloromethane	<0.500	10.0	8.00	80	10.0	8.17	82	2	76-121	20	
Bromoform	<1.00	10.0	7.83	78	10.0	8.92	89	13	69-128	20	
Bromomethane	<3.00	10.0	10.5	105	10.0	9.64	96	9	53-141	20	
2-Butanone	<10.0	50.0	33.9	68	50.0	40.0	80	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	8.69	87	10.0	8.58	86	1	70-129	20	
Sec-Butylbenzene	<1.00	10.0	8.48	85	10.0	8.41	84	1	72-127	20	
n-Butylbenzene	<1.00	10.0	8.04	80	10.0	8.17	82	2	69-137	20	
Carbon Disulfide	<1.00	100	7.40	7	100	7.14	7	4	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	8.21	82	10.0	8.03	80	2	66-138	20	
Chlorobenzene	<1.00	10.0	9.06	91	10.0	8.62	86	5	81-122	21	
Chloroethane	<0.500	10.0	8.09	81	10.0	7.60	76	6	58-133	20	
Chloroform	<0.300	10.0	7.88	79	10.0	7.80	78	1	69-128	20	
1-Chlorohexane	<1.00	10.0	8.43	84	10.0	7.87	79	7	70-125	20	
Chloromethane	<1.00	10.0	8.75	88	10.0	8.26	83	6	56-131	20	
4-Chlorotoluene	<1.00	10.0	8.14	81	10.0	8.65	87	6	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	7.82	78	10.0	8.90	89	13	50-132	28	
Dibromochloromethane	<0.500	10.0	8.64	86	10.0	8.44	84	2	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	8.53	85	10.0	8.48	85	1	80-121	20	
Dibromomethane	<1.00	10.0	8.90	89	10.0	9.09	91	2	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	8.25	83	10.0	8.47	85	3	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	8.80	88	10.0	8.65	87	2	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	8.39	84	10.0	8.38	84	0	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	7.93	79	10.0	6.34	63	22	53-153	23	
1,1-Dichloroethane	<1.00	10.0	8.10	81	10.0	8.11	81	0	69-133	20	
1,2-Dichloroethane	<0.500	10.0	7.87	79	10.0	8.16	82	4	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	8.49	85	10.0	8.45	85	0	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	7.99	80	10.0	7.80	78	2	63-137	20	
1,1-Dichloroethene	<1.00	10.0	7.93	79	10.0	7.97	80	1	68-130	22	
1,2-Dichloropropane	<1.00	10.0	8.79	88	10.0	9.05	91	3	75-125	20	
1,3-Dichloropropane	<0.400	10.0	8.43	84	10.0	8.57	86	2	73-126	20	
2,2-Dichloropropane	<1.00	10.0	7.71	77	10.0	7.23	72	6	69-137	20	
1,1-Dichloropropene	<1.00	10.0	8.20	82	10.0	8.05	81	2	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	8.47	85	10.0	8.10	81	4	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	8.14	81	10.0	8.10	81	0	59-135	20	
Ethylbenzene	<1.00	10.0	8.26	83	10.0	8.36	84	1	73-127	20	
Hexachlorobutadiene	<0.600	10.0	7.22	72	10.0	7.92	79	9	67-131	20	
2-Hexanone	<1.00	100	38.9	39	100	40.4	40	4	50-150	24.5	X
isopropylbenzene	<1.00	10.0	8.70	87	10.0	8.34	83	4	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	8.39	84	10.0	8.53	85	2	73-130	20	
Methylene Chloride	<1.00	10.0	9.09	91	10.0	9.13	91	0	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	11.0	110	10.0	11.4	114	4	58-134	25	
MTBE	<5.00	10.0	7.91	79	10.0	8.25	83	4	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768709 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	8.94	89	10.0	9.39	94	5	54-138	20	
n-Propylbenzene	<1.00	10.0	8.43	84	10.0	8.41	84	0	72-129	20	
Styrene	<1.00	10.0	7.58	76	10.0	7.28	73	4	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	8.61	86	10.0	8.70	87	1	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	9.18	92	10.0	9.36	94	2	63-128	31	
Tetrachloroethylene	<1.00	10.0	8.90	89	10.0	8.72	87	2	66-128	20	
Toluene	<1.00	10.0	8.25	83	10.0	7.94	79	4	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	9.03	90	10.0	9.15	92	1	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	8.68	87	10.0	8.84	88	2	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	8.27	83	10.0	7.67	77	8	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	9.10	91	10.0	8.75	88	4	75-125	20	
Trichloroethene	<1.00	10.0	8.18	82	10.0	8.48	85	4	70-127	24	
Trichlorofluoromethane	<1.00	10.0	7.98	80	10.0	7.80	78	2	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	8.76	88	10.0	9.09	91	4	73-124	20	
1,2,4-Trimethylbenzene	<1.00	10.0	7.68	77	10.0	7.47	75	3	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	7.99	80	10.0	7.86	79	2	74-131	20	
Vinyl Chloride	<1.00	10.0	8.45	85	10.0	8.14	81	4	50-134	20	
o-Xylene	<1.00	10.0	8.90	89	10.0	8.93	89	0	80-121	20	
m,p-Xylenes	<2.00	20.0	17.6	88	20.0	17.3	87	2	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	10.3	103	10.0	9.88	99	4	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	24.0	48	50.0	36.6	73	42	40-135	40.2	F
Benzene	<0.400	10.0	9.95	100	10.0	9.25	93	7	81-122	21	
Bromobenzene	<1.00	10.0	11.1	111	10.0	10.4	104	7	76-124	20	
Bromochloromethane	<1.00	10.0	12.1	121	10.0	11.2	112	8	65-129	20	
Bromodichloromethane	0.350	10.0	11.5	112	10.0	10.8	105	6	76-121	20	
Bromoform	<1.00	10.0	12.6	126	10.0	11.9	119	6	69-128	20	
Bromomethane	<3.00	10.0	10.0	100	10.0	8.90	89	12	53-141	20	
2-Butanone	<10.0	50.0	42.5	85	50.0	50.4	101	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	10.9	109	10.0	9.67	97	12	70-129	20	
Sec-Butylbenzene	<1.00	10.0	10.6	106	10.0	9.46	95	11	72-127	20	
n-Butylbenzene	<1.00	10.0	10.4	104	10.0	9.21	92	12	69-137	20	
Carbon Disulfide	<1.00	100	9.92	10	100	8.98	9	10	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	10.4	104	10.0	9.64	96	8	66-138	20	
Chlorobenzene	<1.00	10.0	11.2	112	10.0	9.97	100	12	81-122	21	
Chloroethane	<0.500	10.0	7.89	79	10.0	6.84	68	14	58-133	20	
Chloroform	0.350	10.0	10.3	100	10.0	9.42	91	9	69-128	20	
1-Chlorohexane	<1.00	10.0	11.2	112	10.0	9.74	97	14	70-125	20	
Chloromethane	<1.00	10.0	8.24	82	10.0	7.83	78	5	56-131	20	
4-Chlorotoluene	<1.00	10.0	10.6	106	10.0	10.2	102	4	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	11.5	115	10.0	10.8	108	6	50-132	28	
Dibromochloromethane	0.440	10.0	11.4	110	10.0	10.3	99	10	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	11.4	114	10.0	10.2	102	11	80-121	20	
Dibromomethane	<1.00	10.0	11.7	117	10.0	11.3	113	3	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	10.7	107	10.0	10.0	100	7	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	11.8	118	10.0	10.7	107	10	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	9.90	99	10.0	9.36	94	6	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	10.3	103	10.0	10.5	105	2	53-153	23	
1,1-Dichloroethane	<1.00	10.0	10.6	106	10.0	9.82	98	8	69-133	20	
1,2-Dichloroethane	<0.500	10.0	9.88	99	10.0	9.58	96	3	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	10.8	108	10.0	10.3	103	5	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	9.26	93	10.0	8.27	83	11	63-137	20	
1,1-Dichloroethene	<1.00	10.0	11.0	110	10.0	9.79	98	12	68-130	22	
1,2-Dichloropropane	<1.00	10.0	11.4	114	10.0	10.8	108	5	75-125	20	
1,3-Dichloropropane	<0.400	10.0	11.6	116	10.0	10.8	108	7	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	9.10	91	5	69-137	20	
1,1-Dichloropropene	<1.00	10.0	10.0	100	10.0	8.67	87	14	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	10.9	109	10.0	10.1	101	8	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	10.5	105	10.0	9.33	93	12	59-135	20	
Ethylbenzene	<1.00	10.0	10.7	107	10.0	9.59	96	11	73-127	20	
Hexachlorobutadiene	<0.600	10.0	9.79	98	10.0	8.70	87	12	67-131	20	
2-Hexanone	<1.00	100	50.5	51	100	48.9	49	3	50-150	24.5	X
isopropylbenzene	<1.00	10.0	10.7	107	10.0	9.58	96	11	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	10.8	108	10.0	9.95	100	8	73-130	20	
Methylene Chloride	<1.00	10.0	11.2	112	10.0	10.2	102	9	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	13.2	132	10.0	13.4	134	2	58-134	25	
MTBE	<5.00	10.0	10.5	105	10.0	10.2	102	3	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339707 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	11.5	115	10.0	11.2	112	3	54-138	20	
n-Propylbenzene	<1.00	10.0	10.9	109	10.0	10.2	102	7	72-129	20	
Styrene	<1.00	10.0	9.84	98	10.0	8.77	88	11	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	11.1	111	10.0	9.83	98	12	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	11.9	119	10.0	11.1	111	7	63-128	31	
Tetrachloroethylene	<1.00	10.0	11.6	116	10.0	10.5	105	10	66-128	20	
Toluene	0.440	10.0	10.2	98	10.0	9.09	87	12	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	11.4	114	10.0	10.9	109	4	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	11.0	110	10.0	10.2	102	8	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	11.2	112	10.0	9.70	97	14	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	12.2	122	10.0	11.2	112	9	75-125	20	
Trichloroethene	<1.00	10.0	10.4	104	10.0	9.70	97	7	70-127	24	
Trichlorofluoromethane	<1.00	10.0	9.20	92	10.0	9.83	98	7	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	12.5	125	10.0	11.5	115	8	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	9.98	100	10.0	8.95	90	11	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	10.3	103	10.0	9.35	94	10	74-131	20	
Vinyl Chloride	<1.00	10.0	7.58	76	10.0	8.09	81	7	50-134	20	
o-Xylene	<1.00	10.0	10.9	109	10.0	9.84	98	10	80-121	20	
m,p-Xylenes	<2.00	20.0	23.3	117	20.0	20.7	104	12	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	12.3	123	10.0	10.4	104	17	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707

Lab Batch #: 768515 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	0.039	0.037	5	25	
Antimony	0.008	<0.006	NC	25	
Arsenic	0.022	0.024	9	25	
Barium	0.069	0.045	42	25	F
Beryllium	<0.0010	<0.0010	NC	25	
Boron	0.474	0.469	1	25	
Cadmium	0.005	0.004	22	25	
Calcium	156	154	1	25	
Chromium	0.002	0.001	67	25	F
Cobalt	<0.005	<0.005	NC	25	
Copper	0.041	0.024	52	25	F
Iron	1.79	1.80	1	25	
Lead	0.002	0.002	0	25	
Magnesium	73.0	72.3	1	25	
Manganese	0.002	0.002	0	25	
Molybdenum	0.007	0.006	15	25	
Nickel	0.004	0.004	0	25	
Potassium	22.2	22.0	1	25	
Selenium	0.022	0.023	4	25	
Silver	<0.002	<0.002	NC	25	
Thallium	<0.003	<0.003	NC	25	
Tin	0.020	<0.050	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.015	0.008	61	25	F
Zinc	0.031	0.031	0	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707

Lab Batch #: 768515 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	0.025	0.015	50	25	F
Antimony	<0.006	0.005	NC	25	
Arsenic	0.052	0.053	2	25	
Barium	0.035	0.035	0	25	
Beryllium	<0.0010	<0.0010	NC	25	
Boron	2.38	2.44	2	25	
Cadmium	0.006	0.005	18	25	
Calcium	262	267	2	25	
Chromium	0.611	0.628	3	25	
Cobalt	0.001	0.001	0	25	
Copper	0.031	0.031	0	25	
Iron	3.54	3.43	3	25	
Lead	<0.002	<0.002	NC	25	
Magnesium	138	141	2	25	
Manganese	0.003	0.003	0	25	
Molybdenum	0.145	0.148	2	25	
Nickel	0.015	0.015	0	25	
Potassium	51.7	52.2	1	25	
Selenium	0.942	0.957	2	25	
Silver	<0.002	<0.002	NC	25	
Thallium	0.003	0.001	100	25	F
Tin	<0.050	<0.050	NC	25	
Titanium	<0.010	<0.010	NC	25	
Vanadium	0.013	0.015	14	25	
Zinc	0.053	0.057	7	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707

Lab Batch #: 769149 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	2.92	2.84	3	25	
Antimony	0.006	<0.006	NC	25	
Barium	0.133	0.130	2	25	
Beryllium	<0.0010	<0.0010	NC	25	
Boron	0.169	0.169	0	25	
Cadmium	<0.001	<0.001	NC	25	
Calcium	61.1	60.8	0	25	
Cobalt	0.001	0.001	0	25	
Iron	2.59	2.50	4	25	
Lead	0.003	0.003	0	25	
Magnesium	14.0	14.0	0	25	
Manganese	0.167	0.165	1	25	
Molybdenum	0.006	0.006	0	25	
Nickel	0.005	0.005	0	25	
Potassium	7.54	7.42	2	25	
Selenium	0.002	0.001	67	25	F
Silver	<0.002	<0.002	NC	25	
Thallium	<0.003	<0.003	NC	25	
Tin	0.020	<0.050	NC	25	
Titanium	0.058	0.053	9	25	
Vanadium	0.012	0.012	0	25	

Lab Batch #: 768674

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.018	0.019	5	25	
Copper	0.017	0.018	6	25	
Zinc	0.021	0.022	5	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339707

Lab Batch #: 768674 **Project ID:**

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339571-002 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	<0.006	<0.006	NC	25	
Arsenic	0.048	0.047	2	25	
Copper	0.028	0.028	0	25	
Zinc	0.045	0.044	2	25	

Lab Batch #: 769153

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.010	0.012	18	25	
Chromium	0.003	0.004	29	25	F
Copper	0.011	0.012	9	25	
Zinc	0.012	0.013	8	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

XENCO Laboratories

☐ 4141 Greenbriar Drive, Stafford, Tx 77477 281-589-0692
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☐ 12600 West I-20 East, Odessa, Tx 79765 432-563-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 224993 Page 1 of 1

Lab Only: 339707-H

Company-City	TCEQ-El Paso-Region 6
Phone	915-834-4964
Proj Name-Location	2009 Split Sampling - El Paso, TX
☐ Previously done at XENCO	
Project ID	
Proj State: AL, CO, FL, GA, LA, MS, NC, NJ, NM, OK, PA, SC, TN, TX, UT Other	
Proj. Manager (PM)	Mary Simpson
e-mail to PM	msimpson@treq.state.tx.us
Fax to:	
and e-mail to:	jejeda@treq.state.tx.us
Invoice to ☐ Accounting ☐ Inc. Invoice with Report ☐ Invoice must have a P.O or Bill to:	
Quote/Pricing:	
P.O No: ☐ Call for P.O.	
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW	
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:	
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)	
LPST No.: ☐ Dry Basis	
Sampler Name	Heidi McIntyre-Wilkinson
Signature	

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data. 14d

#	Sample ID	Sampling Date	Time	Depth ft/in m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs BTEX-MTBE OXYG ETOH VOHs	8260 8021 602 624 524 TCLP/SPLP ( ) H_2SO_4	PAHs 8270 8270-SIM 8310	TPH: TX1005 8015B 8015Mod 8015DRO 8015GRO 8015ORO	SVOCs 8270 8270-SIM 625 TCLP\SPLP ( )	Metals: RCRA (4, 8, 11) Pb TCLP/SPLP ( ) Other:	Metals Method: 6010 6020 200.8 7470/245.1 7471 Hg/Cr	NORM Ra 226 228 Uranium	Asbestos PLM PCM	Pesticides 8081 608 TCLP\SPLP ( )	Herbicides 8151 615 TCLP\SPLP ( )	PCBS 8082 608	7470 A (H_2SO_4) HNO3	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed
1	SEP-9 (SW)	8/4/09	1:10		W		X	6	✓	✓	✓		X	X				X						X	14			
2	SEP-7 (SW)	8/4/09	1:40		W		X	6	✓	✓	✓		X	X				X						X	14			
3	EP-111 (GW)	8/4/09	2:20		W		X	6	✓	✓	✓		X	X				X						X	14			
4	EP-112 (GW)	8/4/09	2:50		W		X	6	✓	✓	✓		X	X				X						X	14			
5	SEP-11 (SW)	8/4/09	3:10		W		X	6	✓	✓	✓		X	X				X						X	14			
6	SEP-3 (SW)	8/4/09	3:35		W		X	6	✓	✓	✓		X	X				X						X	14			
7	SEP-3 (SW) MS/MSD	8/4/09	3:35		W		X	6	✓	✓	✓		X	X				X						X	14			
8																												
9	FD-2	8/4/09	11:40		W		X	6	✓	✓	✓		X	X				X						X	14			
10																												

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1	08/04/09 5:30 HM		
2			
3		Lab:	08/05/09 0900

Total Containers per COC: Cooler Temp:

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be hold 30 days after final report is e-mailed unless hereby requested. Rush Charges are pre-approved.

Remarks

From: Rcv by: Date Addn:

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**V**), 1L (1), 500ml (**5**), Tedlar Bag (**B**), Wipe (**W**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Other (**O**) _____

Matrix: Air (A), Product (P), Solid(S), Water (W)

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XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: TCEQ

Date/Time: 08/05/09

Lab ID # : 339707

Initials:

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	(Yes)	No		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No. 1834		Cooler 2 No. 16		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
53 lbs	4.23 °C	52 lbs	2.9 °C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: (008) We received (2) sets of TB and no COC on COC

Corrective Action Taken: _____

Check all that apply:
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 339728

for

Shaw E&I Midland

Project Manager: John Sullivan

2009 Split Sampling

25-AUG-09

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

25-AUG-09

Project Manager: **John Sullivan**
Shaw E&I Midland
5801 W. Industrial #2
Midland, TX 79706

Reference: XENCO Report No: **339728**
2009 Split Sampling
Project Address: El Paso, TX

John Sullivan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339728. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339728 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EP-62 (GW)	W	Aug-04-09 08:06	7.33 ft	339728-001
EP-66 (GW)	W	Aug-04-09 08:40	10.42 ft	339728-002
EP-5 (GW)	W	Aug-04-09 09:03	5.72 ft	339728-003
EP-5 (GW)	W	Aug-04-09 11:22	5.72 ft	339728-004
EP-6 (GW)	W	Aug-04-09 10:00	6.47 ft	339728-005
EP-7 (GW)	W	Aug-04-09 10:15	5.84 ft	339728-006
SEP-4 (SW)	W	Aug-04-09 10:51		339728-007
FB SEP-4 (SW)	W	Aug-04-09 10:50		339728-008
Trip Blank	W	Aug-04-09 00:00		339728-009

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-62 (GW)**	Matrix:Water	Sample Depth: 7.33 ft
Lab Sample Id: **339728-001**	Date Collected: Aug-04-09 08:06	Date Received: Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 14:42 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.012	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	0.005	0.006	0.006	0.0050	0.005	mg/L	J	1
Barium	7440-39-3	0.052	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	3.57	0.010	0.500	0.0018	0.090	mg/L	D	50
Cadmium	7440-43-9	0.002	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	101	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	1.24	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	51.8	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.015	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.710	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.008	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	47.0	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.196	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.006	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 17:56 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	1.57	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.024	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-62 (GW)**	Matrix:Water	Sample Depth: 7.33 ft
Lab Sample Id: **339728-001**	Date Collected: Aug-04-09 08:06	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 19:58 Analyst: KAN Date Prep: Aug-11-09 09:09 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-62 (GW)**	Matrix:Water	Sample Depth: 7.33 ft
Lab Sample Id: **339728-001**	Date Collected: Aug-04-09 08:06	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 19:58 Analyst: KAN Date Prep: Aug-11-09 09:09 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-62 (GW)**	Matrix:Water	Sample Depth: 7.33 ft
Lab Sample Id: **339728-001**	Date Collected: Aug-04-09 08:06	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 17:23 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.240	1.00	0.500	0.2000	0.200	ug/L	J	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.210	1.00	0.300	0.2000	0.200	ug/L	J	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.410	1.00	0.500	0.2000	0.200	ug/L	J	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-62 (GW)**	Matrix:Water	Sample Depth: 7.33 ft
Lab Sample Id: **339728-001**	Date Collected: Aug-04-09 08:06	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 17:23 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.320	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-66 (GW)**	Matrix:Water	Sample Depth: 10.42 ft	
Lab Sample Id: **339728-002**	Date Collected: Aug-04-09 08:40	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 14:46 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.055	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.085	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.97	0.010	0.200	0.0018	0.036	mg/L	D	20
Cadmium	7440-43-9	0.004	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	524	0.500	10.0	0.2000	4.00	mg/L	D	20
Cobalt	7440-48-4	0.002	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	7.13	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L	J	1
Magnesium	7439-95-4	136	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.027	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.173	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.098	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	48.3	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.379	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.062	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:01 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	9.61	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.020	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.056	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-66 (GW)**	Matrix:Water	Sample Depth: 10.42 ft
Lab Sample Id: **339728-002**	Date Collected: Aug-04-09 08:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 20:34 Analyst: KAN Date Prep: Aug-11-09 09:12 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.003	0.005	0.010	0.0010	0.001	mg/L	J	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-66 (GW)**	Matrix:Water	Sample Depth: 10.42 ft
Lab Sample Id: **339728-002**	Date Collected: Aug-04-09 08:40	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 20:34 Analyst: KAN Date Prep: Aug-11-09 09:12 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-66 (GW)**	Matrix:Water	Sample Depth: 10.42 ft
Lab Sample Id: **339728-002**	Date Collected: Aug-04-09 08:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 16:58 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	0.620	1.00	0.500	0.2000	0.200	ug/L		1
Bromoform	75-25-2	0.210	1.00	1.00	0.2000	0.200	ug/L	J	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	0.490	1.00	0.300	0.2000	0.200	ug/L		1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	0.760	1.00	0.500	0.2000	0.200	ug/L		1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-66 (GW)**	Matrix:Water	Sample Depth: 10.42 ft
Lab Sample Id: **339728-002**	Date Collected: Aug-04-09 08:40	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 16:58 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.300	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0005	0.0001	0.0001	0.0001	0.0001	mg/L		1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-5 (GW)**	Matrix:Water	Sample Depth: 5.72 ft	
Lab Sample Id: **339728-003**	Date Collected: Aug-04-09 09:03	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 14:51 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	4.15	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	0.015	0.006	0.006	0.0050	0.005	mg/L		1
Barium	7440-39-3	0.152	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.84	0.010	0.010	0.0018		mg/L	D	1
Cadmium	7440-43-9	0.005	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	260	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.010	0.005	0.005	0.0010	0.001	mg/L		1
Iron	7439-89-6	6.74	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.055	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	108	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	1.88	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.099	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.019	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	17.5	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.014	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.073	0.010	0.010	0.0500	0.050	mg/L		1
Vanadium	7440-62-2	0.015	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:06 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.189	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.005	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.113	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.098	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-5 (GW)**	Matrix:Water	Sample Depth: 5.72 ft
Lab Sample Id: **339728-003**	Date Collected: Aug-04-09 09:03	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 17:44 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-5 (GW)**	Matrix:Water	Sample Depth: 5.72 ft
Lab Sample Id: **339728-003**	Date Collected: Aug-04-09 09:03	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 17:44 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.240	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.0001	mg/L	U	1

Sample Id: **EP-5 (GW)**	Matrix:Water	Sample Depth: 5.72 ft
Lab Sample Id: **339728-004**	Date Collected: Aug-04-09 11:22	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 21:10 Analyst: KAN Date Prep: Aug-11-09 09:15 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	0.003	0.005	0.010	0.0010	0.001	mg/L	J	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-5 (GW)**	Matrix:Water	Sample Depth: 5.72 ft
Lab Sample Id: **339728-004**	Date Collected: Aug-04-09 11:22	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 21:10 Analyst: KAN Date Prep: Aug-11-09 09:15 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-6 (GW)**	Matrix:Water	Sample Depth: 6.47 ft
Lab Sample Id: **339728-005**	Date Collected: Aug-04-09 10:00	Date Received: Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 14:56 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.021	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	0.006	0.006	0.006	0.0050	0.005	mg/L	J	1
Barium	7440-39-3	0.044	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	2.10	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	236	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.004	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	3.23	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	92.3	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	1.27	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.171	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.014	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	24.3	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.007	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.003	0.004	0.004	0.0014	0.001	mg/L	J	1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:11 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.029	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Copper	7440-50-8	0.010	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.007	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-6 (GW)**	Matrix:Water	Sample Depth: 6.47 ft
Lab Sample Id: **339728-005**	Date Collected: Aug-04-09 10:00	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 21:45 Analyst: KAN Date Prep: Aug-11-09 09:18 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-6 (GW)**	Matrix:Water	Sample Depth: 6.47 ft
Lab Sample Id: **339728-005**	Date Collected: Aug-04-09 10:00	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 21:45 Analyst: KAN Date Prep: Aug-11-09 09:18 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-6 (GW)**	Matrix:Water	Sample Depth: 6.47 ft
Lab Sample Id: **339728-005**	Date Collected: Aug-04-09 10:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:05 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.500	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	0.590	1.00	1.00	0.2000	0.200	ug/L	J	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-6 (GW)**	Matrix:Water	Sample Depth: 6.47 ft
Lab Sample Id: **339728-005**	Date Collected: Aug-04-09 10:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:05 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-7 (GW)**	Matrix:Water	Sample Depth: 5.84 ft	
Lab Sample Id: **339728-006**	Date Collected: Aug-04-09 10:15	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:01 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.014	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.039	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.202	0.010	0.010	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	134	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	1.98	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	52.1	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	1.36	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.142	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.006	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	12.2	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.004	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.002	0.004	0.004	0.0014	0.001	mg/L	J	1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:16 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.043	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Copper	7440-50-8	0.007	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.005	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-7 (GW)**	Matrix:Water	Sample Depth: 5.84 ft
Lab Sample Id: **339728-006**	Date Collected: Aug-04-09 10:15	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 22:21 Analyst: KAN Date Prep: Aug-11-09 09:21 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

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Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-7 (GW)**	Matrix:Water	Sample Depth: 5.84 ft
Lab Sample Id: **339728-006**	Date Collected: Aug-04-09 10:15	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 22:21 Analyst: KAN Date Prep: Aug-11-09 09:21 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-7 (GW)**	Matrix:Water	Sample Depth: 5.84 ft
Lab Sample Id: **339728-006**	Date Collected: Aug-04-09 10:15	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:27 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-7 (GW)**	Matrix:Water	Sample Depth: 5.84 ft
Lab Sample Id: **339728-006**	Date Collected: Aug-04-09 10:15	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:27 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-4 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339728-007**	Date Collected: Aug-04-09 10:51	Date Received: Aug-05-09 09:00	

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:06 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	3.12	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.133	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	0.164	0.010	0.020	0.0018	0.004	mg/L	D	2
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	62.0	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	2.71	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.003	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	14.2	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.182	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.008	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.005	0.005	0.005	0.0010	0.001	mg/L	J	1
Potassium	7440-09-7	7.58	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.001	0.003	0.003	0.0010	0.001	mg/L	J	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	0.059	0.010	0.010	0.0500	0.050	mg/L		1
Vanadium	7440-62-2	0.011	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:20 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.014	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.010	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.011	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **SEP-4 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-007**	Date Collected: Aug-04-09 10:51	Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 22:57 Analyst: KAN Date Prep: Aug-11-09 09:24 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-4 (SW)**	Matrix:Water	Sample Depth:	
Lab Sample Id: **339728-007**	Date Collected: Aug-04-09 10:51	Date Received: Aug-05-09 09:00	

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 22:57 Analyst: KAN Date Prep: Aug-11-09 09:24 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **SEP-4 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-007**	Date Collected: Aug-04-09 10:51	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:48 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **SEP-4 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-007**	Date Collected: Aug-04-09 10:51	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 18:48 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Sample Id: **FB SEP-4 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-008**	Date Collected: Aug-04-09 10:50	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:09 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	1.44	5.00	10.0	1.000	1.00	ug/L	J	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.640	1.00	0.500	0.2000	0.200	ug/L		1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	180	2.00	10.0	0.4000	4.00	ug/L	D	10

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FB SEP-4 (SW)**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-008**	Date Collected: Aug-04-09 10:50	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:09 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.260	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	2.40	1.00	1.00	0.2000	0.200	ug/L		1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-009**	Date Collected: Aug-04-09 00:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:30 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **Trip Blank**	Matrix:Water	Sample Depth:
Lab Sample Id: **339728-009**	Date Collected: Aug-04-09 00:00	Date Received: Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:30 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535088-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535088-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:43 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	0.001	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535180-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535180-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:55 Analyst: KAN Date Prep: Aug-11-09 09:00 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Sample Id: **535180-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535180-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:55 Analyst: KAN Date Prep: Aug-11-09 09:00 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **535307-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535307-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:11 Analyst: LATCOR Date Prep: Aug-12-09 10:30 Tech: LATCOR

Anal seq: 768392 Prep seq: 535307

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

Sample Id: **535310-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535310-1-BLK** Date Collected: Date Received: Aug-05-09 09:00

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535478-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535478-1-BLK**	Date Collected:	Date Received: Aug-05-09 09:00	

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339728

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535608-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535608-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 16:28 Analyst: KHM Date Prep: Aug-17-09 10:11 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535608-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535608-1-BLK**	Date Collected:	Date Received:	Aug-05-09 09:00

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 16:28 Analyst: KHM Date Prep: Aug-17-09 10:11 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Inductively Coupled Plasma Atomic Emi Client : Shaw E&I Midland

Work Order #: 339728 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-7 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P
EP-62 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 10, 2009	180	6	Aug.13, 2009	180	3	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Total Metals by SW6020 Client : Shaw E&I Midland

Work Order #: 339728 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-62 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-7 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 14, 2009	180	10	Aug.14, 2009	180	0	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Mercury by SW-846 7470A Client : Shaw E&I Midland

Work Order #: 339728 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-62 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P
EP-7 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.13, 2009	28	9	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Drinking Water Compounds By GCMS Client : Shaw E&I Midland

Work Order #: 339728 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Trip Blank	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
FB SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
EP-7 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
EP-62 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009				Aug.15, 2009	14	11	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Gc/Ms For Semivolatile Organics (Capil | Client : Shaw E&I Midland

Work Order #: 339728 | Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-62 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P
EP-66 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P
EP-7 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P
SEP-4 (SW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P
EP-5 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P
EP-6 (GW)	Aug. 4, 2009	Aug. 5, 2009	Aug. 11, 2009	7	7	Aug.11, 2009	40	0	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

***** Outside XENCO's scope of NELAC Accreditation.

Analytical Log

Analytical Method:	Gc/Ms For Semivolatile Organics (Cap	Batch #:	768319
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
EP-5 (GW)	339728-004	SMP
EP-6 (GW)	339728-005	SMP
EP-62 (GW)	339728-001	SMP
EP-66 (GW)	339728-002	SMP
EP-7 (GW)	339728-006	SMP
SEP-4 (SW)	339728-007	SMP
	340203-001 S	MS
	535180-1-BKS	BKS
	535180-1-BLK	BLK
	535180-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768392
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
EP-5 (GW)	339728-003	SMP
EP-6 (GW)	339728-005	SMP
EP-62 (GW)	339728-001	SMP
EP-66 (GW)	339728-002	SMP
EP-7 (GW)	339728-006	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535307-1-BKS	BKS
	535307-1-BLK	BLK
	535307-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768393
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
SEP-4 (SW)	339728-007	SMP
	339571-002 S	MS
	339571-002 SD	MSD
	535310-1-BKS	BKS
	535310-1-BLK	BLK
	535310-1-BSD	BSD

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768724
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
EP-5 (GW)	339728-003	SMP
EP-6 (GW)	339728-005	SMP
EP-62 (GW)	339728-001	SMP
EP-66 (GW)	339728-002	SMP
EP-7 (GW)	339728-006	SMP
FB SEP-4 (SW)	339728-008	SMP
SEP-4 (SW)	339728-007	SMP
Trip Blank	339728-009	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535515-1-BKS	BKS
	535515-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768841
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
FB SEP-4 (SW) DL	339728-008	DL
	535608-1-BKS	BKS
	535608-1-BLK	BLK
	535608-1-BSD	BSD

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	769149
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
EP-5 (GW)	339728-003	SMP
EP-5 (GW) DL	339728-003	DL
EP-6 (GW)	339728-005	SMP
EP-6 (GW) DL	339728-005	DL
EP-62 (GW)	339728-001	SMP
EP-62 (GW) DL	339728-001	DL
EP-66 (GW)	339728-002	SMP
EP-66 (GW) DL	339728-002	DL
EP-7 (GW)	339728-006	SMP
EP-7 (GW) DL	339728-006	DL
SEP-4 (SW)	339728-007	SMP
SEP-4 (SW) DL	339728-007	DL
	339707-006 D	MD
	339707-006 S	MS
	339707-006 SD	MSD
	535088-1-BKS	BKS
	535088-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	769153
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339728

Client Sample Id	Lab Sample Id	QC Types
EP-5 (GW)	339728-003	SMP
EP-6 (GW)	339728-005	SMP
EP-62 (GW)	339728-001	SMP
EP-66 (GW)	339728-002	SMP
EP-7 (GW)	339728-006	SMP
SEP-4 (SW)	339728-007	SMP
	339707-006 D	MD
	339707-006 S	MS
	339707-006 SD	MSD
	535478-1-BKS	BKS
	535478-1-BLK	BLK

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768319 **Sample:** 535180-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 16:55

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.035	0.050	70	48-120	
2-Fluorophenol	0.024	0.050	48	20-120	
Nitrobenzene-d5	0.034	0.050	68	41-120	
Phenol-d6	0.016	0.050	32	20-120	
Terphenyl-D14	0.040	0.050	80	51-135	
2,4,6-Tribromophenol	0.026	0.050	52	42-124	

Lab Batch #: 768319 **Sample:** 535180-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 17:32

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.036	0.050	72	48-120	
2-Fluorophenol	0.020	0.050	40	20-120	
Nitrobenzene-d5	0.036	0.050	72	41-120	
Phenol-d6	0.017	0.050	34	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 768319 **Sample:** 535180-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 18:08

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.035	0.050	70	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.035	0.050	70	41-120	
Phenol-d6	0.016	0.050	32	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768319 **Sample:** 340203-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/L **Date Analyzed:** 08/11/09 19:21

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.177	0.250	71	48-120	
2-Fluorophenol	0.125	0.250	50	20-120	
Nitrobenzene-d5	0.174	0.250	70	41-120	
Phenol-d6	0.117	0.250	47	20-120	
Terphenyl-D14	0.184	0.250	74	51-135	
2,4,6-Tribromophenol	0.157	0.250	63	42-124	

Lab Batch #: 768319 **Sample:** 339728-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 19:58

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.050	64	48-120	
2-Fluorophenol	0.020	0.050	40	20-120	
Nitrobenzene-d5	0.031	0.050	62	41-120	
Phenol-d6	0.012	0.050	24	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.026	0.050	52	42-124	

Lab Batch #: 768319 **Sample:** 339728-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 20:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.050	64	48-120	
2-Fluorophenol	0.017	0.050	34	20-120	
Nitrobenzene-d5	0.031	0.050	62	41-120	
Phenol-d6	0.010	0.050	20	20-120	
Terphenyl-D14	0.038	0.050	76	51-135	
2,4,6-Tribromophenol	0.028	0.050	56	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768319 **Sample:** 339728-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 21:10

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.050	64	48-120	
2-Fluorophenol	0.016	0.050	32	20-120	
Nitrobenzene-d5	0.030	0.050	60	41-120	
Phenol-d6	0.010	0.050	20	20-120	
Terphenyl-D14	0.036	0.050	72	51-135	
2,4,6-Tribromophenol	0.026	0.050	52	42-124	

Lab Batch #: 768319 **Sample:** 339728-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 21:45

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.050	64	48-120	
2-Fluorophenol	0.017	0.050	34	20-120	
Nitrobenzene-d5	0.030	0.050	60	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.025	0.050	50	42-124	

Lab Batch #: 768319 **Sample:** 339728-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 22:21

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.031	0.050	62	48-120	
2-Fluorophenol	0.015	0.050	30	20-120	
Nitrobenzene-d5	0.030	0.050	60	41-120	
Phenol-d6	0.010	0.050	20	20-120	
Terphenyl-D14	0.036	0.050	72	51-135	
2,4,6-Tribromophenol	0.024	0.050	48	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768319 **Sample:** 339728-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 22:57

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.032	0.050	64	48-120	
2-Fluorophenol	0.015	0.050	30	20-120	
Nitrobenzene-d5	0.030	0.050	60	41-120	
Phenol-d6	0.010	0.050	20	20-120	
Terphenyl-D14	0.036	0.050	72	51-135	
2,4,6-Tribromophenol	0.023	0.050	46	42-124	

Lab Batch #: 768724 **Sample:** 535515-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 12:39

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.680	10.00	97	74-121	
Dibromofluoromethane	9.310	10.00	93	80-120	
1,2-Dichloroethane-D4	10.12	10.00	101	62-139	
Toluene-D8	10.33	10.00	103	81-117	

Lab Batch #: 768724 **Sample:** 535515-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 13:43

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.110	10.00	91	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	9.850	10.00	99	62-139	
Toluene-D8	9.820	10.00	98	81-117	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768724 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:47

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.700	10.00	97	74-121	
Dibromofluoromethane	9.190	10.00	92	80-120	
1,2-Dichloroethane-D4	10.05	10.00	101	62-139	
Toluene-D8	9.890	10.00	99	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 15:09

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.720	10.00	97	74-121	
Dibromofluoromethane	9.570	10.00	96	80-120	
1,2-Dichloroethane-D4	9.800	10.00	98	62-139	
Toluene-D8	9.490	10.00	95	81-117	

Lab Batch #: 768724 **Sample:** 339728-002 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 16:58

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.41	10.00	114	74-121	
Dibromofluoromethane	10.07	10.00	101	80-120	
1,2-Dichloroethane-D4	9.780	10.00	98	62-139	
Toluene-D8	9.860	10.00	99	81-117	

Lab Batch #: 768724 **Sample:** 339728-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 17:23

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.80	10.00	118	74-121	
Dibromofluoromethane	12.11	10.00	121	80-120	**
1,2-Dichloroethane-D4	11.04	10.00	110	62-139	
Toluene-D8	9.870	10.00	99	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768724 **Sample:** 339728-003 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 17:44

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.84	10.00	108	74-121	
Dibromofluoromethane	10.88	10.00	109	80-120	
1,2-Dichloroethane-D4	11.45	10.00	115	62-139	
Toluene-D8	9.630	10.00	96	81-117	

Lab Batch #: 768724 **Sample:** 339728-005 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 18:05

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.27	10.00	113	74-121	
Dibromofluoromethane	11.85	10.00	119	80-120	
1,2-Dichloroethane-D4	10.80	10.00	108	62-139	
Toluene-D8	9.400	10.00	94	81-117	

Lab Batch #: 768724 **Sample:** 339728-006 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 18:27

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.49	10.00	115	74-121	
Dibromofluoromethane	11.21	10.00	112	80-120	
1,2-Dichloroethane-D4	8.980	10.00	90	62-139	
Toluene-D8	10.06	10.00	101	81-117	

Lab Batch #: 768724 **Sample:** 339728-007 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 18:48

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.40	10.00	114	74-121	
Dibromofluoromethane	11.56	10.00	116	80-120	
1,2-Dichloroethane-D4	10.84	10.00	108	62-139	
Toluene-D8	9.720	10.00	97	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768724 **Sample:** 339728-008 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 19:09

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.35	10.00	114	74-121	
Dibromofluoromethane	11.57	10.00	116	80-120	
1,2-Dichloroethane-D4	10.47	10.00	105	62-139	
Toluene-D8	9.060	10.00	91	81-117	

Lab Batch #: 768724 **Sample:** 339728-009 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 19:30

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.44	10.00	114	74-121	
Dibromofluoromethane	11.05	10.00	111	80-120	
1,2-Dichloroethane-D4	8.840	10.00	88	62-139	
Toluene-D8	9.360	10.00	94	81-117	

Lab Batch #: 768841 **Sample:** 535608-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 16:28

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.16	10.00	102	74-121	
Dibromofluoromethane	10.27	10.00	103	80-120	
1,2-Dichloroethane-D4	9.880	10.00	99	62-139	
Toluene-D8	9.590	10.00	96	81-117	

Lab Batch #: 768841 **Sample:** 339728-008 / DL **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 16:49

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.60	10.00	106	74-121	
Dibromofluoromethane	9.420	10.00	94	80-120	
1,2-Dichloroethane-D4	10.14	10.00	101	62-139	
Toluene-D8	10.20	10.00	102	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339728,

Project ID:

Lab Batch #: 768841 **Sample:** 535608-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 19:19

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.48	10.00	105	74-121	
Dibromofluoromethane	10.31	10.00	103	80-120	
1,2-Dichloroethane-D4	10.45	10.00	105	62-139	
Toluene-D8	10.05	10.00	101	81-117	

Lab Batch #: 768841 **Sample:** 535608-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 19:40

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.53	10.00	105	74-121	
Dibromofluoromethane	10.33	10.00	103	80-120	
1,2-Dichloroethane-D4	9.150	10.00	92	62-139	
Toluene-D8	10.41	10.00	104	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Lab Batch #: 769149 **Sample:** 535088-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

[nductively Coupled Plasma Atomic Emission Sp Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.211	106	75-125	
Barium	<0.001	0.050	0.053	106	75-125	
Beryllium	<0.0006	0.0200	0.0194	97	75-125	
Boron	<0.002	0.020	0.036	180	75-125	H
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.00	100	75-125	
Chromium	0.001	0.050	0.047	94	75-125	
Cobalt	<0.001	0.050	0.047	94	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.053	106	75-125	
Magnesium	<0.200	3.00	3.25	108	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.051	102	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.11	106	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	<0.015	1.00	1.09	109	75-125	
Titanium	<0.050	1.00	0.962	96	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Lab Batch #: 769153 **Sample:** 535478-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<0.002	0.050	0.048	96	75-125	
Chromium	<0.001	0.050	0.044	88	75-125	
Copper	<0.002	0.050	0.048	96	75-125	
Zinc	<0.001	0.050	0.047	94	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	37.8	76	40-135	
Benzene	<0.200	10.0	8.88	89	81-122	
Bromobenzene	<0.200	10.0	10.1	101	76-124	
Bromochloromethane	<0.200	10.0	10.4	104	65-129	
Bromodichloromethane	<0.200	10.0	10.2	102	76-121	
Bromoform	<0.200	10.0	11.0	110	69-128	
Bromomethane	<0.200	10.0	9.06	91	53-141	
2-Butanone	<1.00	50.0	40.9	82	49-136	
tert-Butylbenzene	<0.200	10.0	10.4	104	70-129	
Sec-Butylbenzene	<0.200	10.0	10.1	101	72-127	
n-Butylbenzene	<0.200	10.0	9.95	100	69-137	
Carbon Disulfide	<0.200	10.0	10.4	104	10-200	
Carbon Tetrachloride	<0.200	10.0	9.85	99	66-138	
Chlorobenzene	<0.200	10.0	9.96	100	81-122	
Chloroethane	<0.200	10.0	7.26	73	58-133	
Chloroform	<0.200	10.0	9.00	90	69-128	
1-Chlorohexane	<0.200	10.0	10.4	104	70-125	
Chloromethane	<0.200	10.0	7.35	74	56-131	
4-Chlorotoluene	<0.200	10.0	10.1	101	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.27	93	50-132	
Dibromochloromethane	<0.200	10.0	9.76	98	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.72	97	80-121	
Dibromomethane	<0.200	10.0	10.2	102	76-125	
Cyclohexane	<2.00	10.0	9.13	91	10-200	
1,2-Dichlorobenzene	<0.200	10.0	9.88	99	71-133	
1,3-Dichlorobenzene	<0.200	10.0	10.8	108	75-124	
1,4-Dichlorobenzene	<0.200	10.0	9.17	92	74-123	
Dichlorodifluoromethane	<0.200	10.0	9.65	97	53-153	
1,1-Dichloroethane	<0.200	10.0	9.50	95	69-133	
1,2-Dichloroethane	<0.200	10.0	9.21	92	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.82	98	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.31	83	63-137	
1,1-Dichloroethene	<0.200	10.0	9.52	95	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	10.4	104	75-125	
1,3-Dichloropropane	<0.200	10.0	10.5	105	73-126	
2,2-Dichloropropane	<0.200	10.0	9.46	95	69-137	
1,1-Dichloropropene	<0.200	10.0	8.94	89	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	9.63	96	69-131	
trans-1,3-dichloropropene	<0.200	10.0	9.63	96	59-135	
Ethylbenzene	<0.200	10.0	9.93	99	73-127	
Hexachlorobutadiene	<0.200	10.0	9.36	94	67-131	
2-Hexanone	<1.00	50.0	43.0	86	50-150	
isopropylbenzene	<0.200	10.0	10.0	100	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	10.5	105	73-130	
Methylene Chloride	<0.400	10.0	10.1	101	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	11.0	110	58-134	
MTBE	<0.200	10.0	9.45	95	65-123	
Naphthalene	<0.200	10.0	9.69	97	54-138	
n-Propylbenzene	<0.200	10.0	10.1	101	72-129	
Styrene	<0.200	10.0	10.0	100	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	9.58	96	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	11.5	115	66-128	
Toluene	<0.200	10.0	8.85	89	77-122	
Methyl Acetate	<0.500	10.0	9.33	93	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	10.5	105	67-137	
Methylcyclohexane	<0.500	10.0	9.43	94	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	10.3	103	66-134	
1,1,1-Trichloroethane	<0.200	10.0	10.0	100	67-132	
1,1,2-Trichloroethane	<0.200	10.0	10.2	102	75-125	
Trichloroethene	<0.200	10.0	9.91	99	70-127	
Trichlorofluoromethane	<0.200	10.0	9.47	95	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.9	109	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	9.33	93	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	9.80	98	74-131	
Vinyl Chloride	<0.200	10.0	7.62	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	9.70	97	80-121	
m,p-Xylenes	<0.400	20.0	20.8	104	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	12.9	129	67-125	H

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768392 **Sample:** 535307-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768393 **Sample:** 535310-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Analyst: KAN **Date Prepared:** 08/11/2009 **Date Analyzed:** 08/11/2009

Lab Batch ID: 768319 **Sample:** 535180-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.001	0.050	0.036	72	0.05	0.036	72	0	47-120	20	
Acenaphthylene	<0.001	0.050	0.036	72	0.05	0.036	72	0	50-120	20	
Anthracene	<0.001	0.050	0.036	72	0.05	0.036	72	0	54-120	20	
Benzo(a)anthracene	<0.001	0.050	0.038	76	0.05	0.038	76	0	56-100	20	
Benzo(a)pyrene	<0.001	0.050	0.039	78	0.05	0.039	78	0	53-120	20	
Benzo(b)fluoranthene	<0.001	0.050	0.040	80	0.05	0.040	80	0	45-124	20	
Benzo(k)fluoranthene	<0.001	0.050	0.041	82	0.05	0.040	80	2	45-124	20	
Benzo(g,h,i)perylene	<0.001	0.050	0.041	82	0.05	0.041	82	0	38-123	20	
Benzoic Acid	<0.009	0.150	0.128	85	0.15	0.144	96	12	20-120	20	
Benzyl Alcohol	<0.001	0.050	0.035	70	0.05	0.034	68	3	30-120	20	
Benzyl Butyl Phthalate	<0.001	0.050	0.025	50	0.05	0.026	52	4	46-120	20	
bis(2-chloroethoxy) methane	<0.001	0.050	0.037	74	0.05	0.037	74	0	46-120	20	
bis(2-chloroethyl) ether	<0.001	0.050	0.030	60	0.05	0.037	74	21	37-120	20	F
bis(2-chloroisopropyl) ether	<0.001	0.050	0.034	68	0.05	0.034	68	0	26-131	20	
bis(2-ethylhexyl) phthalate	<0.001	0.050	0.038	76	0.05	0.038	76	0	42-126	20	
4-Bromophenyl-phenylether	<0.001	0.050	0.037	74	0.05	0.037	74	0	52-120	20	
4-chloro-3-methylphenol	<0.001	0.050	0.035	70	0.05	0.035	70	0	47-120	20	
4-Chloroaniline	<0.001	0.050	0.060	120	0.05	0.068	136	13	20-120	20	H
2-Chloronaphthalene	<0.001	0.050	0.037	74	0.05	0.037	74	0	49-120	20	
2-Chlorophenol	<0.001	0.050	0.030	60	0.05	0.031	62	3	37-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Analyst: KAN
Lab Batch ID: 768319
Sample: 535180-1-BKS
Units: mg/L

Date Prepared: 08/11/2009
Batch #: 1

Project ID:
Date Analyzed: 08/11/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorophenyl Phenyl Ether	<0.001	0.050	0.037	74	0.05	0.036	72	3	50-120	20	
Chrysene	<0.001	0.050	0.037	74	0.05	0.037	74	0	55-120	20	
Dibenz(a,h)anthracene	<0.001	0.050	0.041	82	0.05	0.041	82	0	42-127	20	
Dibenzofuran	<0.001	0.050	0.037	74	0.05	0.036	72	3	54-120	20	
di-n-Butyl Phthalate	<0.003	0.050	0.034	68	0.05	0.033	66	3	54-120	20	
3,3-Dichlorobenzidine	<0.002	0.050	0.025	50	0.05	0.025	50	0	20-120	20	
2,4-Dichlorophenol	<0.001	0.050	0.036	72	0.05	0.036	72	0	48-120	20	
Diethyl Phthalate	<0.001	0.050	0.036	72	0.05	0.035	70	3	41-120	20	
Dimethyl Phthalate	<0.001	0.050	0.036	72	0.05	0.036	72	0	25-127	20	
2,4-Dimethylphenol	<0.001	0.050	0.027	54	0.05	0.028	56	4	28-120	20	
4,6-dinitro-2-methyl phenol	<0.001	0.050	0.025	50	0.05	0.026	52	4	40-137	20	
2,4-Dinitrophenol	<0.001	0.050	0.035	70	0.05	0.034	68	3	25-130	20	
2,4-Dinitrotoluene	<0.001	0.050	0.035	70	0.05	0.034	68	3	51-120	20	
2,6-Dinitrotoluene	<0.001	0.050	0.037	74	0.05	0.037	74	0	49-120	20	
di-n-Octyl Phthalate	<0.001	0.050	0.040	80	0.05	0.040	80	0	37-137	20	
Fluoranthene	<0.001	0.050	0.036	72	0.05	0.036	72	0	54-120	20	
Fluorene	<0.001	0.050	0.037	74	0.05	0.037	74	0	50-120	20	
Hexachlorobenzene	<0.001	0.050	0.037	74	0.05	0.037	74	0	52-120	20	
Hexachlorobutadiene	<0.001	0.050	0.039	78	0.05	0.039	78	0	27-120	20	
Hexachlorocyclopentadiene	<0.001	0.050	0.038	76	0.05	0.037	74	3	41-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Analyst: KAN
Lab Batch ID: 768319
Sample: 535180-1-BKS
Units: mg/L
Date Prepared: 08/11/2009
Batch #: 1
Project ID:
Date Analyzed: 08/11/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachloroethane	<0.001	0.050	0.038	76	0.05	0.037	74	3	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.001	0.050	0.047	94	0.05	0.047	94	0	43-125	20	
Isophorone	<0.001	0.050	0.036	72	0.05	0.036	72	0	50-120	20	
2-Methylnaphthalene	<0.001	0.050	0.038	76	0.05	0.037	74	3	46-120	20	
2-methylphenol	<0.001	0.050	0.046	92	0.05	0.048	96	4	38-120	20	
3&4-Methylphenol	<0.002	0.100	0.076	76	0.1	0.081	81	6	32-120	20	
Naphthalene	<0.001	0.050	0.038	76	0.05	0.038	76	0	39-120	20	
2-Nitroaniline	<0.001	0.050	0.032	64	0.05	0.031	62	3	48-120	20	
3-Nitroaniline	<0.002	0.050	0.039	78	0.05	0.041	82	5	20-126	20	
4-Nitroaniline	<0.001	0.050	0.035	70	0.05	0.036	72	3	36-120	20	
Nitrobenzene	<0.001	0.050	0.037	74	0.05	0.037	74	0	44-120	20	
2-Nitrophenol	<0.001	0.050	0.032	64	0.05	0.033	66	3	39-123	20	
4-Nitrophenol	<0.001	0.050	0.025	50	0.05	0.045	90	57	20-120	20	F
N-Nitrosodi-n-Propylamine	<0.001	0.050	0.036	72	0.05	0.036	72	0	34-128	20	
N-Nitrosodiphenylamine	<0.002	0.050	0.034	68	0.05	0.035	70	3	48-120	20	
Pentachlorophenol	<0.001	0.050	0.037	74	0.05	0.034	68	8	38-120	20	
Phenanthrene	<0.001	0.050	0.036	72	0.05	0.036	72	0	51-120	20	
Phenol	<0.001	0.050	0.018	36	0.05	0.020	40	11	20-120	20	
Pyrene	<0.001	0.050	0.039	78	0.05	0.039	78	0	49-128	20	
2,4,5-Trichlorophenol	<0.001	0.050	0.034	68	0.05	0.034	68	0	49-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728

Analyst: KAN

Date Prepared: 08/11/2009

Project ID:

Date Analyzed: 08/11/2009

Lab Batch ID: 768319

Sample: 535180-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<0.001	0.050	0.033	66	0.05	0.034	68	3	49-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<2.00	50.0	50.3	101	50	51.3	103	2	40-135	40.2	
Benzene	<0.200	10.0	10.2	102	10	8.73	87	16	81-122	21	
Bromobenzene	<0.200	10.0	11.1	111	10	9.92	99	11	76-124	20	
Bromochloromethane	<0.200	10.0	12.2	122	10	12.0	120	2	65-129	20	
Bromodichloromethane	<0.200	10.0	11.0	110	10	10.9	109	1	76-121	20	
Bromoform	<0.200	10.0	10.2	102	10	10.5	105	3	69-128	20	
Bromomethane	<0.200	10.0	9.26	93	10	8.87	89	4	53-141	20	
2-Butanone	<1.00	50.0	48.9	98	50	56.7	113	15	49-136	20	
tert-Butylbenzene	<0.200	10.0	10.5	105	10	10.3	103	2	70-129	20	
Sec-Butylbenzene	<0.200	10.0	10.8	108	10	10.1	101	7	72-127	20	
n-Butylbenzene	<0.200	10.0	10.6	106	10	10.1	101	5	69-137	20	
Carbon Disulfide	<0.200	10.0	11.7	117	10	11.2	112	4	10-200	20	
Carbon Tetrachloride	<0.200	10.0	11.1	111	10	10.4	104	7	66-138	20	
Chlorobenzene	<0.200	10.0	9.56	96	10	9.76	98	2	81-122	21	
Chloroethane	<0.200	10.0	9.11	91	10	9.91	99	8	58-133	20	
Chloroform	<0.200	10.0	10.2	102	10	9.92	99	3	69-128	20	
1-Chlorohexane	<0.200	10.0	11.1	111	10	10.4	104	7	70-125	20	
Chloromethane	<0.200	10.0	9.16	92	10	9.08	91	1	56-131	20	
4-Chlorotoluene	<0.200	10.0	10.6	106	10	9.78	98	8	74-128	20	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	10.1	101	10	9.18	92	10	50-132	28	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Analyst: KHM
Lab Batch ID: 768841
Sample: 535608-1-BKS
Units: ug/L

Date Prepared: 08/17/2009
Batch #: 1

Project ID:
Date Analyzed: 08/17/2009
Matrix: Water

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibromochloromethane	<0.200	10.0	10.2	102	10	10.1	101	1	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	10.7	107	10	11.0	110	3	80-121	20	
Dibromomethane	<0.200	10.0	11.4	114	10	11.5	115	1	76-125	23	
Cyclohexane	<2.00	10.0	7.04	70	10	7.47	75	6	10-200	21	
1,2-Dichlorobenzene	<0.200	10.0	10.8	108	10	9.64	96	11	71-133	20	
1,3-Dichlorobenzene	<0.200	10.0	11.1	111	10	10.1	101	9	75-124	20	
1,4-Dichlorobenzene	<0.200	10.0	9.21	92	10	8.87	89	4	74-123	20	
Dichlorodifluoromethane	<0.200	10.0	12.9	129	10	11.3	113	13	53-153	23	
1,1-Dichloroethane	<0.200	10.0	11.8	118	10	10.8	108	9	69-133	20	
1,2-Dichloroethane	<0.200	10.0	11.0	110	10	11.0	110	0	69-132	20	
cis-1,2-Dichloroethene	<0.200	10.0	11.6	116	10	10.6	106	9	72-126	20	
trans-1,2-dichloroethene	<0.200	10.0	9.96	100	10	9.11	91	9	63-137	20	
1,1-Dichloroethene	<0.200	10.0	11.3	113	10	10.5	105	7	68-130	22	
1,2-Dichloropropane	<0.200	10.0	10.5	105	10	10.7	107	2	75-125	20	
1,3-Dichloropropane	<0.200	10.0	9.88	99	10	9.72	97	2	73-126	20	
2,2-Dichloropropane	<0.200	10.0	10.4	104	10	10.6	106	2	69-137	20	
1,1-Dichloropropene	<0.200	10.0	10.2	102	10	10.2	102	0	73-132	20	
cis-1,3-Dichloropropene	<0.200	10.0	10.4	104	10	9.83	98	6	69-131	20	
trans-1,3-dichloropropene	<0.200	10.0	10.5	105	10	9.59	96	9	59-135	20	
Ethylbenzene	<0.200	10.0	10.4	104	10	10.1	101	3	73-127	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene	<0.200	10.0	10.6	106	10	9.61	96	10	67-131	20	
2-Hexanone	<1.00	50.0	47.1	94	50	47.2	94	0	50-150	24.5	
isopropylbenzene	<0.200	10.0	10.9	109	10	10.5	105	4	75-127	20	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	11.3	113	10	10.5	105	7	73-130	20	
Methylene Chloride	<0.400	10.0	11.7	117	10	11.4	114	3	63-137	35	
4-Methyl-2-Pentanone	<0.400	10.0	11.5	115	10	9.97	100	14	58-134	25	
MTBE	<0.200	10.0	11.8	118	10	11.5	115	3	65-123	20	
Naphthalene	<0.200	10.0	9.56	96	10	9.34	93	2	54-138	20	
n-Propylbenzene	<0.200	10.0	10.4	104	10	9.27	93	11	72-129	20	
Styrene	<0.200	10.0	10.3	103	10	10.2	102	1	65-134	51	
1,1,1,2-Tetrachloroethane	<0.200	10.0	11.0	110	10	9.57	96	14	81-129	20	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.78	98	10	8.95	90	9	63-128	31	
Tetrachloroethylene	<0.200	10.0	10.1	101	10	10.5	105	4	66-128	20	
Toluene	<0.200	10.0	9.26	93	10	9.54	95	3	77-122	21	
Methyl Acetate	<0.500	10.0	9.56	96	10	10.1	101	5	50-150	20	
1,2,3-Trichlorobenzene	<0.200	10.0	10.8	108	10	10.5	105	3	67-137	20	
Methylcyclohexane	<0.500	10.0	7.63	76	10	7.75	78	2	10-200	20	
1,2,4-Trichlorobenzene	<0.200	10.0	10.1	101	10	9.69	97	4	66-134	20	
1,1,1-Trichloroethane	<0.200	10.0	11.3	113	10	10.8	108	5	67-132	20	
1,1,2-Trichloroethane	<0.200	10.0	10.5	105	10	10.2	102	3	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Analyst: KHM
Date Prepared: 08/17/2009
Project ID:
Date Analyzed: 08/17/2009
Lab Batch ID: 768841
Sample: 535608-1-BKS
Batch #: 1
Matrix: Water
Units: ug/L

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Trichloroethene	<0.200	10.0	11.0	110	10	9.69	97	13	70-127	24	
Trichlorofluoromethane	<0.200	10.0	10.7	107	10	11.5	115	7	57-129	20	
1,2,3-Trichloropropane	<0.200	10.0	10.6	106	10	11.0	110	4	73-124	20	
1,2,4-Trimethylbenzene	<0.200	10.0	11.3	113	10	10.1	101	11	74-132	20	
1,3,5-trimethylbenzene	<0.200	10.0	10.9	109	10	10.1	101	8	74-131	20	
Vinyl Chloride	<0.200	10.0	8.36	84	10	9.10	91	8	50-134	20	
o-Xylene	<0.200	10.0	9.69	97	10	9.24	92	5	80-121	20	
m,p-Xylenes	<0.400	20.0	21.0	105	20	20.6	103	2	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	14.5	145	10	15.0	150	3	67-125	20	H

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Lab Batch #: 768319
Project ID:
Date Analyzed: 08/11/2009
Date Prepared: 08/11/2009
Analyst: KAN
QC- Sample ID: 340203-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

SVOAs by SW-846 8270C Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Acenaphthene	<0.025	0.250	0.181	72	47-120	
Acenaphthylene	<0.025	0.250	0.178	71	50-120	
Anthracene	<0.025	0.250	0.179	72	54-120	
Benzo(a)anthracene	<0.025	0.250	0.184	74	56-100	
Benzo(a)pyrene	<0.025	0.250	0.189	76	53-120	
Benzo(b)fluoranthene	<0.025	0.250	0.196	78	45-124	
Benzo(k)fluoranthene	<0.025	0.250	0.200	80	45-124	
Benzo(g,h,i)perylene	<0.025	0.250	0.200	80	38-123	
Benzoic Acid	<0.150	0.750	<0.500	0	20-120	X
Benzyl Alcohol	<0.050	0.250	0.145	58	30-120	
Benzyl Butyl Phthalate	<0.025	0.250	0.116	46	46-120	
bis(2-chloroethoxy) methane	<0.050	0.250	0.179	72	46-120	
bis(2-chloroethyl) ether	<0.050	0.250	0.148	59	37-120	
bis(2-chloroisopropyl) ether	<0.050	0.250	0.171	68	26-131	
bis(2-ethylhexyl) phthalate	<0.025	0.250	0.192	77	42-126	
4-Bromophenyl-phenylether	<0.050	0.250	0.184	74	52-120	
4-chloro-3-methylphenol	<0.050	0.250	0.175	70	47-120	
4-Chloroaniline	<0.100	0.250	0.238	95	20-120	
2-Chloronaphthalene	<0.050	0.250	0.183	73	49-120	
2-Chlorophenol	<0.050	0.250	0.159	64	37-120	
4-Chlorophenyl Phenyl Ether	<0.050	0.250	0.179	72	50-120	
Chrysene	<0.025	0.250	0.187	75	55-120	
Dibenz(a,h)anthracene	<0.025	0.250	0.200	80	42-127	
Dibenzofuran	<0.050	0.250	0.180	72	54-120	
di-n-Butyl Phthalate	<0.025	0.250	0.164	66	54-120	
3,3-Dichlorobenzidine	<0.050	0.250	0.084	34	20-120	
2,4-Dichlorophenol	<0.050	0.250	0.185	74	48-120	
Diethyl Phthalate	<0.025	0.250	0.176	70	41-120	
Dimethyl Phthalate	<0.025	0.250	0.178	71	25-127	
2,4-Dimethylphenol	<0.050	0.250	0.134	54	28-120	
4,6-dinitro-2-methyl phenol	<0.050	0.250	0.140	56	40-137	
2,4-Dinitrophenol	<0.050	0.250	0.114	46	25-130	
2,4-Dinitrotoluene	<0.050	0.250	0.169	68	51-120	
2,6-Dinitrotoluene	<0.050	0.250	0.185	74	49-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339728
Lab Batch #: 768319
Project ID:
Date Analyzed: 08/11/2009
Date Prepared: 08/11/2009
Analyst: KAN
QC- Sample ID: 340203-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

SVOAs by SW-846 8270C Analytes		Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
di-n-Octyl Phthalate	<0.025	0.250	0.198	79	37-137	
Fluoranthene	<0.025	0.250	0.176	70	54-120	
Fluorene	<0.025	0.250	0.184	74	50-120	
Hexachlorobenzene	<0.050	0.250	0.183	73	52-120	
Hexachlorobutadiene	<0.050	0.250	0.195	78	27-120	
Hexachlorocyclopentadiene	<0.050	0.250	0.193	77	41-125	
Hexachloroethane	<0.050	0.250	0.187	75	28-120	
Indeno(1,2,3-c,d)Pyrene	<0.025	0.250	0.116	46	43-125	
Isophorone	<0.050	0.250	0.174	70	50-120	
2-Methylnaphthalene	<0.025	0.250	0.188	75	46-120	
2-methylphenol	<0.050	0.250	0.152	61	38-120	
3&4-Methylphenol	<0.050	0.500	0.324	65	32-120	
Naphthalene	<0.025	0.250	0.189	76	39-120	
2-Nitroaniline	<0.050	0.250	0.157	63	48-120	
3-Nitroaniline	<0.050	0.250	0.191	76	20-126	
4-Nitroaniline	<0.100	0.250	0.187	75	36-120	
Nitrobenzene	<0.050	0.250	0.182	73	44-120	
2-Nitrophenol	<0.050	0.250	0.168	67	39-123	
4-Nitrophenol	<0.050	0.250	0.050	20	20-120	
N-Nitrosodi-n-Propylamine	<0.050	0.250	0.189	76	34-128	
N-Nitrosodiphenylamine	<0.050	0.250	0.174	70	48-120	
Pentachlorophenol	<0.050	0.250	0.218	87	38-120	
Phenanthrene	<0.025	0.250	0.176	70	51-120	
Phenol	<0.050	0.250	0.142	57	20-120	
Pyrene	<0.025	0.250	0.197	79	49-128	
2,4,5-Trichlorophenol	<0.050	0.250	0.179	72	49-120	
2,4,6-Trichlorophenol	<0.050	0.250	0.173	69	49-126	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339728 **Project ID:**

Lab Batch ID: 769149 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	2.92	0.200	3.11	95	0.200	3.31	195	6	75-125	25	X
Barium	0.133	0.050	0.176	86	0.050	0.179	92	2	75-125	25	
Beryllium	<0.0010	0.0200	0.0173	87	0.0200	0.0169	85	2	75-125	25	
Boron	0.169	0.020	0.179	50	0.020	0.171	10	5	75-125	25	X
Cadmium	<0.001	0.020	0.021	105	0.020	0.021	105	0	75-125	25	
Calcium	61.1	3.00	61.3	7	3.00	61.0	0	0	75-125	25	X
Chromium	0.003	0.050	0.050	94	0.050	0.050	94	0	75-125	25	
Cobalt	0.001	0.050	0.048	94	0.050	0.049	96	2	75-125	25	
Iron	2.59	0.200	2.58	0	0.200	2.78	95	7	75-125	25	X
Lead	0.003	0.050	0.054	102	0.050	0.053	100	2	75-125	25	
Magnesium	14.0	3.00	16.4	80	3.00	16.8	93	2	75-125	25	
Manganese	0.167	0.050	0.207	80	0.050	0.213	92	3	75-125	25	
Molybdenum	0.006	0.050	0.056	100	0.050	0.058	104	4	75-125	25	
Nickel	0.005	0.050	0.053	96	0.050	0.054	98	2	75-125	25	
Potassium	7.54	2.00	9.17	82	2.00	9.18	82	0	75-125	25	
Selenium	0.002	0.050	0.047	90	0.050	0.048	92	2	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.018	90	0	75-125	25	
Thallium	<0.003	0.050	0.044	88	0.050	0.046	92	4	75-125	25	
Tin	0.020	1.00	1.06	104	1.00	1.06	104	0	75-125	25	
Titanium	0.058	1.00	0.979	92	1.00	0.991	93	1	75-125	25	
Vanadium	0.012	0.050	0.066	108	0.050	0.067	110	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339728 **Project ID:**

Lab Batch ID: 768392 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR
Reporting Units: mg/L

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Mercury	<0.0001	0.0010	0.0010	100	0.0010	0.0010	100	0	75-125	20	

Lab Batch ID: 768393 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR
Reporting Units: mg/L

Mercury by SW-846 7470A Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Mercury	0.0001	0.0010	0.0009	80	0.0010	0.0009	80	0	75-125	20	

Lab Batch ID: 769153 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT
Reporting Units: mg/L

Total Metals by SW6020 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Arsenic	0.010	0.050	0.054	88	0.050	0.058	96	7	75-125	25	
Chromium	0.003	0.050	0.044	82	0.050	0.048	90	9	75-125	25	
Copper	0.011	0.050	0.054	86	0.050	0.058	94	7	75-125	25	
Zinc	0.012	0.050	0.051	78	0.050	0.055	86	8	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339728 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	24.0	48	50.0	36.6	73	42	40-135	40.2	F
Benzene	<0.400	10.0	9.95	100	10.0	9.25	93	7	81-122	21	
Bromobenzene	<1.00	10.0	11.1	111	10.0	10.4	104	7	76-124	20	
Bromochloromethane	<1.00	10.0	12.1	121	10.0	11.2	112	8	65-129	20	
Bromodichloromethane	0.350	10.0	11.5	112	10.0	10.8	105	6	76-121	20	
Bromoform	<1.00	10.0	12.6	126	10.0	11.9	119	6	69-128	20	
Bromomethane	<3.00	10.0	10.0	100	10.0	8.90	89	12	53-141	20	
2-Butanone	<10.0	50.0	42.5	85	50.0	50.4	101	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	10.9	109	10.0	9.67	97	12	70-129	20	
Sec-Butylbenzene	<1.00	10.0	10.6	106	10.0	9.46	95	11	72-127	20	
n-Butylbenzene	<1.00	10.0	10.4	104	10.0	9.21	92	12	69-137	20	
Carbon Disulfide	<1.00	100	9.92	10	100	8.98	9	10	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	10.4	104	10.0	9.64	96	8	66-138	20	
Chlorobenzene	<1.00	10.0	11.2	112	10.0	9.97	100	12	81-122	21	
Chloroethane	<0.500	10.0	7.89	79	10.0	6.84	68	14	58-133	20	
Chloroform	0.350	10.0	10.3	100	10.0	9.42	91	9	69-128	20	
1-Chlorohexane	<1.00	10.0	11.2	112	10.0	9.74	97	14	70-125	20	
Chloromethane	<1.00	10.0	8.24	82	10.0	7.83	78	5	56-131	20	
4-Chlorotoluene	<1.00	10.0	10.6	106	10.0	10.2	102	4	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	11.5	115	10.0	10.8	108	6	50-132	28	
Dibromochloromethane	0.440	10.0	11.4	110	10.0	10.3	99	10	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	11.4	114	10.0	10.2	102	11	80-121	20	
Dibromomethane	<1.00	10.0	11.7	117	10.0	11.3	113	3	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339728 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	10.7	107	10.0	10.0	100	7	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	11.8	118	10.0	10.7	107	10	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	9.90	99	10.0	9.36	94	6	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	10.3	103	10.0	10.5	105	2	53-153	23	
1,1-Dichloroethane	<1.00	10.0	10.6	106	10.0	9.82	98	8	69-133	20	
1,2-Dichloroethane	<0.500	10.0	9.88	99	10.0	9.58	96	3	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	10.8	108	10.0	10.3	103	5	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	9.26	93	10.0	8.27	83	11	63-137	20	
1,1-Dichloroethene	<1.00	10.0	11.0	110	10.0	9.79	98	12	68-130	22	
1,2-Dichloropropane	<1.00	10.0	11.4	114	10.0	10.8	108	5	75-125	20	
1,3-Dichloropropane	<0.400	10.0	11.6	116	10.0	10.8	108	7	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	9.10	91	5	69-137	20	
1,1-Dichloropropene	<1.00	10.0	10.0	100	10.0	8.67	87	14	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	10.9	109	10.0	10.1	101	8	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	10.5	105	10.0	9.33	93	12	59-135	20	
Ethylbenzene	<1.00	10.0	10.7	107	10.0	9.59	96	11	73-127	20	
Hexachlorobutadiene	<0.600	10.0	9.79	98	10.0	8.70	87	12	67-131	20	
2-Hexanone	<1.00	100	50.5	51	100	48.9	49	3	50-150	24.5	X
isopropylbenzene	<1.00	10.0	10.7	107	10.0	9.58	96	11	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	10.8	108	10.0	9.95	100	8	73-130	20	
Methylene Chloride	<1.00	10.0	11.2	112	10.0	10.2	102	9	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	13.2	132	10.0	13.4	134	2	58-134	25	
MTBE	<5.00	10.0	10.5	105	10.0	10.2	102	3	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339728 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	11.5	115	10.0	11.2	112	3	54-138	20	
n-Propylbenzene	<1.00	10.0	10.9	109	10.0	10.2	102	7	72-129	20	
Styrene	<1.00	10.0	9.84	98	10.0	8.77	88	11	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	11.1	111	10.0	9.83	98	12	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	11.9	119	10.0	11.1	111	7	63-128	31	
Tetrachloroethylene	<1.00	10.0	11.6	116	10.0	10.5	105	10	66-128	20	
Toluene	0.440	10.0	10.2	98	10.0	9.09	87	12	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	11.4	114	10.0	10.9	109	4	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	11.0	110	10.0	10.2	102	8	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	11.2	112	10.0	9.70	97	14	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	12.2	122	10.0	11.2	112	9	75-125	20	
Trichloroethene	<1.00	10.0	10.4	104	10.0	9.70	97	7	70-127	24	
Trichlorofluoromethane	<1.00	10.0	9.20	92	10.0	9.83	98	7	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	12.5	125	10.0	11.5	115	8	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	9.98	100	10.0	8.95	90	11	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	10.3	103	10.0	9.35	94	10	74-131	20	
Vinyl Chloride	<1.00	10.0	7.58	76	10.0	8.09	81	7	50-134	20	
o-Xylene	<1.00	10.0	10.9	109	10.0	9.84	98	10	80-121	20	
m,p-Xylenes	<2.00	20.0	23.3	117	20.0	20.7	104	12	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	12.3	123	10.0	10.4	104	17	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339728

Lab Batch #: 769149 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	2.92	2.84	3	25	
Barium	0.133	0.130	2	25	
Beryllium	<0.0010	<0.0010	NC	25	
Boron	0.169	0.169	0	25	
Cadmium	<0.001	<0.001	NC	25	
Calcium	61.1	60.8	0	25	
Chromium	0.003	0.003	0	25	
Cobalt	0.001	0.001	0	25	
Iron	2.59	2.50	4	25	
Lead	0.003	0.003	0	25	
Magnesium	14.0	14.0	0	25	
Manganese	0.167	0.165	1	25	
Molybdenum	0.006	0.006	0	25	
Nickel	0.005	0.005	0	25	
Potassium	7.54	7.42	2	25	
Selenium	0.002	0.001	67	25	F
Silver	<0.002	<0.002	NC	25	
Thallium	<0.003	<0.003	NC	25	
Tin	0.020	<0.050	NC	25	
Titanium	0.058	0.053	9	25	
Vanadium	0.012	0.012	0	25	

Lab Batch #: 769153

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.010	0.012	18	25	
Chromium	0.003	0.004	29	25	F
Copper	0.011	0.012	9	25	
Zinc	0.012	0.013	8	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

XENCO Laboratories

☒ 4141 Greenbriar Drive, Stafford, Tx 77477 281-589-0692
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

☐ 12600 West I-20 East, Odessa, Tx 79765 432-563-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

Serial #: 224992 Page 1 of 1

Company-City TCEQ - El Paso - Region 6 **Phone** 915-834-4964

Lab Only: 339728-H

Proj Name-Location ☐ Previously done at XENCO **Project ID**
2009 Split Sampling - El Paso, Tx.

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data. 14d

Proj State: AL, CO, FL, GA, LA, MS, NC, NJ, NM, OK, PA, SC, TN, (TX), UT Other

Proj. Manager (PM) Mary Simpson

e-mail to PM MSimpson@tceq.state.tx.us
and e-mail to: JOJeda@tceq.state.tx.us
~~Fax to:~~

Invoice to ☐ Accounting ☐ Inc. Invoice with Report ☐ Invoice must have a P.O or Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

LPST No.: ☐ Dry Basis

Sampler Name Robert Gillian Signature [signature]

Analysis columns: VOCs BTEX-MTBE OXYG ETOH VOHs | (8260) 8021 602 624 524 TCLP/SPLP ( ) (H2SO4) | PAHs (8270) 8270-SIM 8310 | TPH: TX1005 8015B 8015Mod 8015DRO 8015GRO 8015ORO | SVOCs 8270 8270-SIM 625 TCLP\SPLP ( ) | Metals: RCRA (4, 8, 11) Pb TCLP/SPLP ( ) Other: | Metals Method: 6010 (6020) 200.8 7470/245.1 7471 (HNO3) | NORM Ra 226 228 Uranium | Asbestos PLM PCM | Pesticides 8081 608 TCLP\SPLP ( ) | Herbicides 8151615 TCLP\SPLP ( ) | PCBS 8082 608 | 7470A (Hg) (HNO3) | TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d | Addn: PAH above mg/L W, mg/Kg S Highest Hit | Hold Samples (Surcharges will apply and are pre-approved) | Sample Clean-ups are pre-approved as needed | Remarks

	Sample ID	Sampling Date	Time	Depth (ft)	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs	8260	PAHs 8270	TPH	SVOCs	Metals RCRA	Metals Method 6020	NORM	Asbestos	Pesticides	Herbicides	PCBs	7470A (Hg)	TAT	Addn PAH	Hold Samples	Sample Clean-ups	
1	EP-62 (GW)	8/4/09	8:06	7.33	W		X	6	✓	✓	✓		X	X				X						X	14				1
2	EP-66 (GW)	8/4/09	8:40	10.42	W		X	6	✓	✓	✓		X	X				X						X	14				2
3	EP-5 (GW)	8/4/07	9:03	5.72	W		X	[illegible]	✓	✓	✓		X	[illegible]	[illegible]			X						X	14				3
4	EP-5 (GW)	8/4/09	11:22	5.72	W		X	1	✓	✓	✓			X											14				4
5	EP-6 (GW)	8/4/09	10:00	6.47	W		X	6	✓	✓	✓		X	X				X						X	14				5
6	EP-7 (GW)	8/4/09	10:15	5.84	W		X	6	✓	✓	✓		X	X				X						X	14				6
7	SEP-4 (SW)	8/4/09	10:51	N/A	W		X	6	✓	✓	✓		X	X				X						X	14				7
8	FB SEP-4 (SW)	8/4/09	10:52	N/A	W		X	3	✓	✓	✓																		8
9																													9
10																													10

	Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1	Robert Gillian [signature]	8/4/09	[signature] HM	[illegible] 4:42
2	[signature] HM	[illegible]		
3	FEDEX		Lab: [signature]	8/5/09 0900

Total Containers per COC: 39 Cooler Temp: 2.4°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be hold 30 days after final report is e-mailed unless hereby requested. Rush Charges are pre-approved.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) ________

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**V**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Wipe (**W**), Other ________ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Other (**O**) ________

Matrix: Air (A), Product (P), Solid(S), Water (W)

Committed to Excellence in Service and Quality since 1989 www.xenco.com

05

Prelogin / Nonconformance Report - Sample Log-In

Client: TEEQ EL PASO-R-6

Date/Time: 08/05/09

Lab ID # : 339728

Initials: Q.M.

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	(Yes)	(No) QM		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No. 1833		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
58 lbs	4.4 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: 6: Receiving one set Trip blank (clear) #009 no COC

Corrective Action Taken: _____

Check all that apply:
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 339902

for

Shaw E&I Midland

Project Manager: Mary Simpson

2009 Split Sampling

25-AUG-09

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

25-AUG-09

Project Manager: **Mary Simpson**
Shaw E&I Midland
5801 W. Industrial #2
Midland, TX 79706

Reference: XENCO Report No: **339902**
2009 Split Sampling
Project Address: El Paso, TX

Mary Simpson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 339902. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 339902 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FD-3 (GW)	W	Aug-05-09 06:30	18.34 ft	339902-001
EP-20 (GW)	W	Aug-05-09 07:50	12.8 ft	339902-002
EP-35 (GW)	W	Aug-05-09 08:25	13.63 ft	339902-003
EP-29 (GW)	W	Aug-05-09 09:00	13.34 ft	339902-004
FB EP-29 (GW)	W	Aug-05-09 09:01	13.34 ft	339902-005
TB	W	Aug-05-09 00:00		339902-006

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-3 (GW)**	Matrix:Water	Sample Depth: 18.34 ft
Lab Sample Id: **339902-001**	Date Collected: Aug-05-09 06:30	Date Received: Aug-06-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:11 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.023	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.030	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.28	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	87.4	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	1.13	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	40.7	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.033	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.048	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.029	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	19.9	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.447	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.146	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.023	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:25 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.211	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.012	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.008	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.007	0.003	0.003	0.0010	0.001	mg/L		1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-3 (GW)**	Matrix:Water	Sample Depth: 18.34 ft
Lab Sample Id: **339902-001**	Date Collected: Aug-05-09 06:30	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 10:34 Analyst: KAN Date Prep: Aug-11-09 09:27 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-3 (GW)**	Matrix:Water	Sample Depth: 18.34 ft
Lab Sample Id: **339902-001**	Date Collected: Aug-05-09 06:30	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 10:34 Analyst: KAN Date Prep: Aug-11-09 09:27 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **FD-3 (GW)**	Matrix:Water	Sample Depth: 18.34 ft
Lab Sample Id: **339902-001**	Date Collected: Aug-05-09 06:30	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:51 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.200	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **FD-3 (GW)**	Matrix:Water	Sample Depth: 18.34 ft
Lab Sample Id: **339902-001**	Date Collected: Aug-05-09 06:30	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 19:51 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	J	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-20 (GW)**	Matrix:Water	Sample Depth: 12.8 ft
Lab Sample Id: **339902-002**	Date Collected: Aug-05-09 07:50	Date Received: Aug-06-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:17 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.044	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.030	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.73	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	0.058	0.001	0.001	0.0002	0.001	mg/L		1
Calcium	7440-70-2	275	0.500	5.00	0.2000	2.00	mg/L	D	10
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	3.15	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L	J	1
Magnesium	7439-95-4	137	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.025	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.119	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.018	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	40.1	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.404	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.013	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.079	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:30 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.910	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.002	0.003	0.003	0.0010	0.001	mg/L	J	1
Copper	7440-50-8	0.010	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.025	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-20 (GW)**	Matrix:Water	Sample Depth: 12.8 ft
Lab Sample Id: **339902-002**	Date Collected: Aug-05-09 07:50	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 11:12 Analyst: KAN Date Prep: Aug-11-09 09:30 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-20 (GW)**	Matrix:Water	Sample Depth: 12.8 ft
Lab Sample Id: **339902-002**	Date Collected: Aug-05-09 07:50	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 11:12 Analyst: KAN Date Prep: Aug-11-09 09:30 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-20 (GW)**	Matrix:Water	Sample Depth: 12.8 ft
Lab Sample Id: **339902-002**	Date Collected: Aug-05-09 07:50	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:11 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.740	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	4.97	1.00	1.00	0.2000	0.200	ug/L		1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	0.770	1.00	1.00	0.2000	0.200	ug/L	J	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **EP-20 (GW)**	Matrix:Water	Sample Depth: 12.8 ft
Lab Sample Id: **339902-002**	Date Collected: Aug-05-09 07:50	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:11 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0011	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-35 (GW)**	Matrix:Water	Sample Depth: 13.63 ft
Lab Sample Id: **339902-003**	Date Collected: Aug-05-09 08:25	Date Received: Aug-06-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:22 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Antimony	7440-36-0	U	0.006	0.006	0.0050	0.005	mg/L	U	1
Barium	7440-39-3	0.034	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	2.24	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	343	0.500	5.00	0.2000	2.00	mg/L	D	10
Cobalt	7440-48-4	0.006	0.005	0.005	0.0010	0.001	mg/L		1
Iron	7439-89-6	4.28	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	120	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.139	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.068	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.078	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	15.8	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	1.09	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.003	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.036	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:35 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.609	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.005	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.011	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.005	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-35 (GW)**	Matrix:Water	Sample Depth: 13.63 ft
Lab Sample Id: **339902-003**	Date Collected: Aug-05-09 08:25	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 11:50 Analyst: KAN Date Prep: Aug-11-09 09:33 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-35 (GW)**	Matrix:Water	Sample Depth: 13.63 ft
Lab Sample Id: **339902-003**	Date Collected: Aug-05-09 08:25	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 11:50 Analyst: KAN Date Prep: Aug-11-09 09:33 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-35 (GW)**	Matrix:Water	Sample Depth: 13.63 ft
Lab Sample Id: **339902-003**	Date Collected: Aug-05-09 08:25	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 20:34 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-35 (GW)**	Matrix:Water	Sample Depth: 13.63 ft
Lab Sample Id: **339902-003**	Date Collected: Aug-05-09 08:25	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 20:34 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	0.0003	0.0001	0.0001	0.0001	0.0001	mg/L		1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-004**	Date Collected: Aug-05-09 09:00	Date Received: Aug-06-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 15:41 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	0.018	0.010	0.010	0.0100	0.010	mg/L		1
Antimony	7440-36-0	0.007	0.006	0.006	0.0050	0.005	mg/L		1
Barium	7440-39-3	0.027	0.005	0.005	0.0010	0.001	mg/L		1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	1.28	0.010	0.100	0.0018	0.018	mg/L	D	10
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	81.6	0.500	0.500	0.2000	0.200	mg/L		1
Cobalt	7440-48-4	0.001	0.005	0.005	0.0010	0.001	mg/L	J	1
Iron	7439-89-6	1.44	0.150	0.150	0.0300	0.030	mg/L		1
Lead	7439-92-1	0.002	0.002	0.002	0.0010	0.001	mg/L		1
Magnesium	7439-95-4	39.3	0.500	0.500	0.2000	0.200	mg/L		1
Manganese	7439-96-5	0.032	0.003	0.003	0.0010	0.001	mg/L		1
Molybdenum	7439-98-7	0.043	0.004	0.004	0.0021	0.002	mg/L		1
Nickel	7440-02-0	0.036	0.005	0.005	0.0010	0.001	mg/L		1
Potassium	7440-09-7	18.6	0.300	0.300	0.1000	0.100	mg/L		1
Selenium	7782-49-2	0.419	0.003	0.003	0.0010	0.001	mg/L		1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	0.130	0.003	0.003	0.0010	0.001	mg/L		1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	0.022	0.004	0.004	0.0014	0.001	mg/L		1

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 18:55 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	0.223	0.002	0.002	0.0018	0.002	mg/L		1
Chromium	7440-47-3	0.031	0.003	0.003	0.0010	0.001	mg/L		1
Copper	7440-50-8	0.009	0.003	0.003	0.0020	0.002	mg/L		1
Zinc	7440-66-6	0.008	0.003	0.003	0.0010	0.001	mg/L		1

Sample Id: **EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-004**	Date Collected: Aug-05-09 09:00	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 12:28 Analyst: KAN Date Prep: Aug-11-09 09:36 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-004**	Date Collected: Aug-05-09 09:00	Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-13-09 12:28 Analyst: KAN Date Prep: Aug-11-09 09:36 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-004**	Date Collected: Aug-05-09 09:00	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:32 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-004**	Date Collected: Aug-05-09 09:00	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:32 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.0001	mg/L	U	1

Sample Id: **FB EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-005**	Date Collected: Aug-05-09 09:01	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 21:16 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	4.30	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	3.64	5.00	10.0	1.000	1.00	ug/L	J	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	0.810	1.00	0.500	0.2000	0.200	ug/L		1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	2.82	2.00	1.00	0.4000	0.400	ug/L		1

Sample Id: **FB EP-29 (GW)**	Matrix:Water	Sample Depth: 13.34 ft
Lab Sample Id: **339902-005**	Date Collected: Aug-05-09 09:01	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 21:16 Analyst: KHM Date Prep: Aug-15-09 12:30 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	0.200	1.00	1.00	0.2000	0.200	ug/L	J	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	5.19	1.00	1.00	0.2000	0.200	ug/L		1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **TB**	Matrix:Water	Sample Depth:
Lab Sample Id: **339902-006**	Date Collected: Aug-05-09 00:00	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:54 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	3.24	10.0	10.0	2.000	2.00	ug/L	J	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	0.220	1.00	1.00	0.2000	0.200	ug/L	J	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **TB**	Matrix:Water	Sample Depth:
Lab Sample Id: **339902-006**	Date Collected: Aug-05-09 00:00	Date Received: Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 17:54 Analyst: KHM Date Prep: Aug-17-09 16:22 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535088-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535088-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Inductively Coupled Plasma Atomic Emission Spectrc** % Moist: Prep Method: 3010A

Date Anal: Aug-13-09 13:43 Analyst: HAT Date Prep: Aug-10-09 10:05 Tech: HAT

Anal seq: 769149 Prep seq: 535088

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Aluminum	7429-90-5	U	0.010	0.010	0.0100	0.010	mg/L	U	1
Barium	7440-39-3	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Beryllium	7440-41-7	U	0.0010	0.0010	0.0006	0.0006	mg/L	U	1
Boron	7440-42-8	U	0.010	0.010	0.0018	0.002	mg/L	U	1
Cadmium	7440-43-9	U	0.001	0.001	0.0002	0.001	mg/L	U	1
Calcium	7440-70-2	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Chromium	7440-47-3	0.001	0.003	0.003	0.0010	0.001	mg/L		1
Cobalt	7440-48-4	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Iron	7439-89-6	U	0.150	0.150	0.0300	0.030	mg/L	U	1
Lead	7439-92-1	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Magnesium	7439-95-4	U	0.500	0.500	0.2000	0.200	mg/L	U	1
Manganese	7439-96-5	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Molybdenum	7439-98-7	U	0.004	0.004	0.0021	0.002	mg/L	U	1
Nickel	7440-02-0	U	0.005	0.005	0.0010	0.001	mg/L	U	1
Potassium	7440-09-7	U	0.300	0.300	0.1000	0.100	mg/L	U	1
Selenium	7782-49-2	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Silver	7440-22-4	U	0.002	0.002	0.0010	0.001	mg/L	U	1
Thallium	7440-28-0	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Tin	7440-31-5	U	0.050	0.050	0.0150	0.015	mg/L	U	1
Titanium	7440-32-6	U	0.010	0.010	0.0500	0.050	mg/L	U	1
Vanadium	7440-62-2	U	0.004	0.004	0.0014	0.001	mg/L	U	1

Sample Id: **535180-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535180-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:55 Analyst: KAN Date Prep: Aug-11-09 09:00 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Acenaphthylene	208-96-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Anthracene	120-12-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Benzoic Acid	65-85-0	U	0.030	0.100	0.0095	0.009	mg/L	U	1
Benzyl Alcohol	100-51-6	U	0.010	0.020	0.0010	0.001	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.010	0.020	0.0011	0.001	mg/L	U	1
4-Chloroaniline	106-47-8	U	0.020	0.020	0.0010	0.001	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Chrysene	218-01-9	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dibenzofuran	132-64-9	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.005	0.010	0.0026	0.003	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.010	0.020	0.0020	0.002	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.010	0.010	0.0011	0.001	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.010	0.050	0.0012	0.001	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluoranthene	206-44-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Fluorene	86-73-7	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Hexachloroethane	67-72-1	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.005	0.010	0.0010	0.001	mg/L	U	1
Isophorone	78-59-1	U	0.010	0.010	0.0014	0.001	mg/L	U	1
2-Methylnaphthalene	91-57-6	U	0.005	0.010	0.0011	0.001	mg/L	U	1
2-methylphenol	95-48-7	U	0.010	0.010	0.0013	0.001	mg/L	U	1

Sample Id: **535180-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535180-1-BLK** Date Collected: Date Received: Aug-06-09 08:45

Analytical Method: **Gc/Ms For Semivolatile Organics (Capillary Column** % Moist: Prep Method: 3510C

Date Anal: Aug-11-09 16:55 Analyst: KAN Date Prep: Aug-11-09 09:00 Tech: KAN

Anal seq: 768319 Prep seq: 535180

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
3&4-Methylphenol	3/4-CRESO	U	0.010	0.050	0.0015	0.002	mg/L	U	1
Naphthalene	91-20-3	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2-Nitroaniline	88-74-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
3-Nitroaniline	99-09-2	U	0.010	0.050	0.0021	0.002	mg/L	U	1
4-Nitroaniline	100-01-6	U	0.020	0.050	0.0011	0.001	mg/L	U	1
Nitrobenzene	98-95-3	U	0.010	0.010	0.0010	0.001	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.010	0.010	0.0010	0.001	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.010	0.050	0.0010	0.001	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.010	0.010	0.0010	0.001	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.010	0.010	0.0017	0.002	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.010	0.050	0.0010	0.001	mg/L	U	1
Phenanthrene	85-01-8	U	0.005	0.010	0.0012	0.001	mg/L	U	1
Phenol	108-95-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1
Pyrene	129-00-0	U	0.005	0.010	0.0010	0.001	mg/L	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.010	0.050	0.0010	0.001	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.010	0.010	0.0010	0.001	mg/L	U	1

Sample Id: **535310-1-BLK** Matrix:Water Sample Depth:

Lab Sample Id: **535310-1-BLK** Date Collected: Date Received: Aug-06-09 08:45

Analytical Method: **Mercury by SW-846 7470A** % Moist: Prep Method:

Date Anal: Aug-13-09 11:16 Analyst: LATCOR Date Prep: Aug-12-09 10:45 Tech: LATCOR

Anal seq: 768393 Prep seq: 535310

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Mercury	7439-97-6	U	0.0001	0.0001	0.0001	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535478-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535478-1-BLK**	Date Collected:	Date Received: Aug-06-09 08:45	

Analytical Method: **Total Metals by SW6020** % Moist: Prep Method: 3010A

Date Anal: Aug-14-09 16:58 Analyst: HAT Date Prep: Aug-14-09 11:15 Tech: HAT

Anal seq: 769153 Prep seq: 535478

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.002	0.002	0.0018	0.002	mg/L	U	1
Chromium	7440-47-3	U	0.003	0.003	0.0010	0.001	mg/L	U	1
Copper	7440-50-8	U	0.003	0.003	0.0020	0.002	mg/L	U	1
Zinc	7440-66-6	U	0.003	0.003	0.0010	0.001	mg/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535515-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535515-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-15-09 13:43 Analyst: KHM Date Prep: Aug-15-09 11:22 Tech: KHM

Anal seq: 768724 Prep seq: 535515

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

Certificate of Analytical Results 339902

Shaw E&I Midland, Midland, TX

2009 Split Sampling

Sample Id: **535608-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535608-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 16:28 Analyst: KHM Date Prep: Aug-17-09 10:11 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
Acetone	67-64-1	U	10.0	10.0	2.000	2.00	ug/L	U	1
Benzene	71-43-2	U	1.00	0.400	0.2000	0.200	ug/L	U	1
Bromobenzene	108-86-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromochloromethane	74-97-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Bromoform	75-25-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Bromomethane	74-83-9	U	1.00	3.00	0.2000	0.200	ug/L	U	1
2-Butanone	78-93-3	U	5.00	10.0	1.000	1.00	ug/L	U	1
tert-Butylbenzene	98-06-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Sec-Butylbenzene	135-98-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Butylbenzene	104-51-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Disulfide	75-15-0	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloroethane	75-00-3	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Chloroform	67-66-3	U	1.00	0.300	0.2000	0.200	ug/L	U	1
1-Chlorohexane	544-10-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Chloromethane	74-87-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
4-Chlorotoluene	106-43-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.00	2.00	0.2000	0.200	ug/L	U	1
Dibromochloromethane	124-48-1	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,2-Dibromoethane (Ethylene Dibromid	106-93-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Dibromomethane	74-95-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Cyclohexane	110-82-7	U	10.0	1.00	2.000	2.00	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.500	0.2000	0.200	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	1.00	0.2000	0.200	ug/L	U	1
trans-1,2-dichloroethene	156-60-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.400	0.2000	0.200	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	1.00	0.600	0.2000	0.200	ug/L	U	1
2-Hexanone	591-78-6	U	5.00	1.00	1.000	1.00	ug/L	U	1
isopropylbenzene	98-82-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
p-Isopropyltoluene (p-Cymene)	99-87-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methylene Chloride	75-09-2	U	2.00	1.00	0.4000	0.400	ug/L	U	1

Sample Id: **535608-1-BLK**	Matrix:Water	Sample Depth:	
Lab Sample Id: **535608-1-BLK**	Date Collected:	Date Received:	Aug-06-09 08:45

Analytical Method: **Drinking Water Compounds By GCMS** % Moist: Prep Method: 5030B

Date Anal: Aug-17-09 16:28 Analyst: KHM Date Prep: Aug-17-09 10:11 Tech: KHM

Anal seq: 768841 Prep seq: 535608

Parameter	CAS Number	Result	MQL UnAdj	MQL Adj	MDL UnAdj	SDL	Units	Flag	Dil
4-Methyl-2-Pentanone	108-10-1	U	2.00	10.0	0.4000	0.400	ug/L	U	1
MTBE	1634-04-4	U	1.00	5.00	0.2000	0.200	ug/L	U	1
Naphthalene	91-20-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Styrene	100-42-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.500	0.2000	0.200	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.500	0.2000	0.200	ug/L	U	1
Tetrachloroethylene	127-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Toluene	108-88-3	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Methyl Acetate	79-20-9	U	1.00	1.00	0.5000	0.500	ug/L	U	1
Methylcyclohexane	108-87-2	U	1.00	1.00	0.5000	0.500	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichloroethene	79-01-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
1,3,5-trimethylbenzene	108-67-8	U	1.00	1.00	0.2000	0.200	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	1.00	0.2000	0.200	ug/L	U	1
o-Xylene	95-47-6	U	1.00	1.00	0.2000	0.200	ug/L	U	1
m,p-Xylenes	179601-23-1	U	2.00	2.00	0.4000	0.400	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	U	1.00	1.00	0.5000	0.500	ug/L	U	1

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Inductively Coupled Plasma Atomic Emi

Client : Shaw E&I Midland

Work Order #: 339902

Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 10, 2009	180	5	Aug.13, 2009	180	3	P
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 10, 2009	180	5	Aug.13, 2009	180	3	P
FD-3 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 10, 2009	180	5	Aug.13, 2009	180	3	P
EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 10, 2009	180	5	Aug.13, 2009	180	3	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Total Metals by SW6020 Client : Shaw E&I Midland

Work Order #: 339902 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P
FD-3 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P
EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 14, 2009	180	9	Aug.14, 2009	180	0	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Mercury by SW-846 7470A Client : Shaw E&I Midland

Work Order #: 339902 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.13, 2009	28	8	P
EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.13, 2009	28	8	P
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.13, 2009	28	8	P
FD-3 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.13, 2009	28	8	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Drinking Water Compounds By GCMS Client : Shaw E&I Midland

Work Order #: 339902 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
FB EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.15, 2009	14	10	P
TB	Aug. 5, 2009	Aug. 6, 2009				Aug.17, 2009	14	12	P
FD-3 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.15, 2009	14	10	P
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.15, 2009	14	10	P
EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.17, 2009	14	12	P
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009				Aug.17, 2009	14	12	P

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Gc/Ms For Semivolatile Organics (Capil | Client : Shaw E&I Midland

Work Order #: 339902 | Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
FD-3 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 11, 2009	7	6	Aug.13, 2009	40	2	P
EP-29 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 11, 2009	7	6	Aug.13, 2009	40	2	P
EP-20 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 11, 2009	7	6	Aug.13, 2009	40	2	P
EP-35 (GW)	Aug. 5, 2009	Aug. 6, 2009	Aug. 11, 2009	7	6	Aug.13, 2009	40	2	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

***** Outside XENCO's scope of NELAC Accreditation.

Analytical Log

Analytical Method:	Gc/Ms For Semivolatile Organics (Cap	Batch #:	768319
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-20 (GW)	339902-002	SMP
EP-29 (GW)	339902-004	SMP
EP-35 (GW)	339902-003	SMP
FD-3 (GW)	339902-001	SMP
	340203-001 S	MS
	535180-1-BKS	BKS
	535180-1-BLK	BLK
	535180-1-BSD	BSD

Analytical Log

Analytical Method:	Mercury by SW-846 7470A	Batch #:	768393
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-20 (GW)	339902-002	SMP
EP-29 (GW)	339902-004	SMP
EP-35 (GW)	339902-003	SMP
FD-3 (GW)	339902-001	SMP
	339571-002 S	MS
	339571-002 SD	MSD
	535310-1-BKS	BKS
	535310-1-BLK	BLK
	535310-1-BSD	BSD

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768724
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-35 (GW)	339902-003	SMP
FB EP-29 (GW)	339902-005	SMP
FD-3 (GW)	339902-001	SMP
	339571-001 S	MS
	339571-001 SD	MSD
	535515-1-BKS	BKS
	535515-1-BLK	BLK

Analytical Log

Analytical Method:	Drinking Water Compounds By GCM	Batch #:	768841
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-20 (GW)	339902-002	SMP
EP-29 (GW)	339902-004	SMP
TB	339902-006	SMP
	535608-1-BKS	BKS
	535608-1-BLK	BLK
	535608-1-BSD	BSD

Analytical Log

Analytical Method:	Inductively Coupled Plasma Atomic Er	Batch #:	769149
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-20 (GW)	339902-002	SMP
EP-20 (GW) DL	339902-002	DL
EP-29 (GW)	339902-004	SMP
EP-29 (GW) DL	339902-004	DL
EP-35 (GW)	339902-003	SMP
EP-35 (GW) DL	339902-003	DL
FD-3 (GW)	339902-001	SMP
FD-3 (GW) DL	339902-001	DL
	339707-006 D	MD
	339707-006 S	MS
	339707-006 SD	MSD
	535088-1-BKS	BKS
	535088-1-BLK	BLK

Analytical Log

Analytical Method:	Total Metals by SW6020	Batch #:	769153
Project Name:	2009 Split Sampling	Project ID:	
Client Name:	Shaw E&I Midland	WO Number:	339902

Client Sample Id	Lab Sample Id	QC Types
EP-20 (GW)	339902-002	SMP
EP-29 (GW)	339902-004	SMP
EP-35 (GW)	339902-003	SMP
FD-3 (GW)	339902-001	SMP
	339707-006 D	MD
	339707-006 S	MS
	339707-006 SD	MSD
	535478-1-BKS	BKS
	535478-1-BLK	BLK

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768319 **Sample:** 535180-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 16:55

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.035	0.050	70	48-120	
2-Fluorophenol	0.024	0.050	48	20-120	
Nitrobenzene-d5	0.034	0.050	68	41-120	
Phenol-d6	0.016	0.050	32	20-120	
Terphenyl-D14	0.040	0.050	80	51-135	
2,4,6-Tribromophenol	0.026	0.050	52	42-124	

Lab Batch #: 768319 **Sample:** 535180-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 17:32

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.036	0.050	72	48-120	
2-Fluorophenol	0.020	0.050	40	20-120	
Nitrobenzene-d5	0.036	0.050	72	41-120	
Phenol-d6	0.017	0.050	34	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

Lab Batch #: 768319 **Sample:** 535180-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/11/09 18:08

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.035	0.050	70	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.035	0.050	70	41-120	
Phenol-d6	0.016	0.050	32	20-120	
Terphenyl-D14	0.037	0.050	74	51-135	
2,4,6-Tribromophenol	0.030	0.050	60	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768319 **Sample:** 340203-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/L **Date Analyzed:** 08/11/09 19:21

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.177	0.250	71	48-120	
2-Fluorophenol	0.125	0.250	50	20-120	
Nitrobenzene-d5	0.174	0.250	70	41-120	
Phenol-d6	0.117	0.250	47	20-120	
Terphenyl-D14	0.184	0.250	74	51-135	
2,4,6-Tribromophenol	0.157	0.250	63	42-124	

Lab Batch #: 768319 **Sample:** 339902-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/13/09 10:34

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.050	82	48-120	
2-Fluorophenol	0.024	0.050	48	20-120	
Nitrobenzene-d5	0.036	0.050	72	41-120	
Phenol-d6	0.015	0.050	30	20-120	
Terphenyl-D14	0.046	0.050	92	51-135	
2,4,6-Tribromophenol	0.033	0.050	66	42-124	

Lab Batch #: 768319 **Sample:** 339902-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/13/09 11:12

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.050	84	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.036	0.050	72	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.045	0.050	90	51-135	
2,4,6-Tribromophenol	0.031	0.050	62	42-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768319 **Sample:** 339902-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/13/09 11:50

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.042	0.050	84	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.038	0.050	76	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.046	0.050	92	51-135	
2,4,6-Tribromophenol	0.031	0.050	62	42-124	

Lab Batch #: 768319 **Sample:** 339902-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 08/13/09 12:28

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.041	0.050	82	48-120	
2-Fluorophenol	0.022	0.050	44	20-120	
Nitrobenzene-d5	0.036	0.050	72	41-120	
Phenol-d6	0.013	0.050	26	20-120	
Terphenyl-D14	0.045	0.050	90	51-135	
2,4,6-Tribromophenol	0.032	0.050	64	42-124	

Lab Batch #: 768724 **Sample:** 535515-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 12:39

Drinking Water Compounds By GCMS Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.680	10.00	97	74-121	
Dibromofluoromethane	9.310	10.00	93	80-120	
1,2-Dichloroethane-D4	10.12	10.00	101	62-139	
Toluene-D8	10.33	10.00	103	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768724 **Sample:** 535515-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 13:43

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.110	10.00	91	74-121	
Dibromofluoromethane	9.450	10.00	95	80-120	
1,2-Dichloroethane-D4	9.850	10.00	99	62-139	
Toluene-D8	9.820	10.00	98	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 S / MS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 14:47

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.700	10.00	97	74-121	
Dibromofluoromethane	9.190	10.00	92	80-120	
1,2-Dichloroethane-D4	10.05	10.00	101	62-139	
Toluene-D8	9.890	10.00	99	81-117	

Lab Batch #: 768724 **Sample:** 339571-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 15:09

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.720	10.00	97	74-121	
Dibromofluoromethane	9.570	10.00	96	80-120	
1,2-Dichloroethane-D4	9.800	10.00	98	62-139	
Toluene-D8	9.490	10.00	95	81-117	

Lab Batch #: 768724 **Sample:** 339902-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 19:51

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	12.00	10.00	120	74-121	
Dibromofluoromethane	11.41	10.00	114	80-120	
1,2-Dichloroethane-D4	10.17	10.00	102	62-139	
Toluene-D8	9.960	10.00	100	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768724 **Sample:** 339902-003 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 20:34

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.89	10.00	119	74-121	
Dibromofluoromethane	11.88	10.00	119	80-120	
1,2-Dichloroethane-D4	10.26	10.00	103	62-139	
Toluene-D8	9.820	10.00	98	81-117	

Lab Batch #: 768724 **Sample:** 339902-005 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/15/09 21:16

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	11.54	10.00	115	74-121	
Dibromofluoromethane	11.87	10.00	119	80-120	
1,2-Dichloroethane-D4	9.460	10.00	95	62-139	
Toluene-D8	9.650	10.00	97	81-117	

Lab Batch #: 768841 **Sample:** 535608-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 16:28

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.16	10.00	102	74-121	
Dibromofluoromethane	10.27	10.00	103	80-120	
1,2-Dichloroethane-D4	9.880	10.00	99	62-139	
Toluene-D8	9.590	10.00	96	81-117	

Lab Batch #: 768841 **Sample:** 339902-002 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 17:11

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	9.260	10.00	93	74-121	
Dibromofluoromethane	10.11	10.00	101	80-120	
1,2-Dichloroethane-D4	10.67	10.00	107	62-139	
Toluene-D8	10.01	10.00	100	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: 2009 Split Sampling

Work Orders : 339902,

Project ID:

Lab Batch #: 768841 **Sample:** 339902-004 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 17:32

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.59	10.00	106	74-121	
Dibromofluoromethane	9.360	10.00	94	80-120	
1,2-Dichloroethane-D4	10.16	10.00	102	62-139	
Toluene-D8	9.750	10.00	98	81-117	

Lab Batch #: 768841 **Sample:** 339902-006 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 17:54

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.43	10.00	104	74-121	
Dibromofluoromethane	10.19	10.00	102	80-120	
1,2-Dichloroethane-D4	9.640	10.00	96	62-139	
Toluene-D8	9.980	10.00	100	81-117	

Lab Batch #: 768841 **Sample:** 535608-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 19:19

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.48	10.00	105	74-121	
Dibromofluoromethane	10.31	10.00	103	80-120	
1,2-Dichloroethane-D4	10.45	10.00	105	62-139	
Toluene-D8	10.05	10.00	101	81-117	

Lab Batch #: 768841 **Sample:** 535608-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: ug/L **Date Analyzed:** 08/17/09 19:40

SURROGATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	10.53	10.00	105	74-121	
Dibromofluoromethane	10.33	10.00	103	80-120	
1,2-Dichloroethane-D4	9.150	10.00	92	62-139	
Toluene-D8	10.41	10.00	104	81-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Lab Batch #: 769149 **Sample:** 535088-1-BKS **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

[nductively Coupled Plasma Atomic Emission Sp Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.010	0.200	0.211	106	75-125	
Barium	<0.001	0.050	0.053	106	75-125	
Beryllium	<0.0006	0.0200	0.0194	97	75-125	
Boron	<0.002	0.020	0.036	180	75-125	H
Cadmium	<0.001	0.020	0.021	105	75-125	
Calcium	<0.200	3.00	3.00	100	75-125	
Chromium	0.001	0.050	0.047	94	75-125	
Cobalt	<0.001	0.050	0.047	94	75-125	
Iron	<0.030	0.200	0.190	95	75-125	
Lead	<0.001	0.050	0.053	106	75-125	
Magnesium	<0.200	3.00	3.25	108	75-125	
Manganese	<0.001	0.050	0.048	96	75-125	
Molybdenum	<0.002	0.050	0.051	102	75-125	
Nickel	<0.001	0.050	0.051	102	75-125	
Potassium	<0.100	2.00	2.11	106	75-125	
Selenium	<0.001	0.050	0.052	104	75-125	
Silver	<0.001	0.020	0.021	105	75-125	
Thallium	<0.001	0.050	0.053	106	75-125	
Tin	<0.015	1.00	1.09	109	75-125	
Titanium	<0.050	1.00	0.962	96	75-125	
Vanadium	<0.001	0.050	0.048	96	75-125	

Lab Batch #: 769153 **Sample:** 535478-1-BKS **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

Total Metals by SW6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<0.002	0.050	0.048	96	75-125	
Chromium	<0.001	0.050	0.044	88	75-125	
Copper	<0.002	0.050	0.048	96	75-125	
Zinc	<0.001	0.050	0.047	94	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Acetone	<2.00	50.0	37.8	76	40-135	
Benzene	<0.200	10.0	8.88	89	81-122	
Bromobenzene	<0.200	10.0	10.1	101	76-124	
Bromochloromethane	<0.200	10.0	10.4	104	65-129	
Bromodichloromethane	<0.200	10.0	10.2	102	76-121	
Bromoform	<0.200	10.0	11.0	110	69-128	
Bromomethane	<0.200	10.0	9.06	91	53-141	
2-Butanone	<1.00	50.0	40.9	82	49-136	
tert-Butylbenzene	<0.200	10.0	10.4	104	70-129	
Sec-Butylbenzene	<0.200	10.0	10.1	101	72-127	
n-Butylbenzene	<0.200	10.0	9.95	100	69-137	
Carbon Disulfide	<0.200	10.0	10.4	104	10-200	
Carbon Tetrachloride	<0.200	10.0	9.85	99	66-138	
Chlorobenzene	<0.200	10.0	9.96	100	81-122	
Chloroethane	<0.200	10.0	7.26	73	58-133	
Chloroform	<0.200	10.0	9.00	90	69-128	
1-Chlorohexane	<0.200	10.0	10.4	104	70-125	
Chloromethane	<0.200	10.0	7.35	74	56-131	
4-Chlorotoluene	<0.200	10.0	10.1	101	74-128	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	9.27	93	50-132	
Dibromochloromethane	<0.200	10.0	9.76	98	66-133	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	9.72	97	80-121	
Dibromomethane	<0.200	10.0	10.2	102	76-125	
Cyclohexane	<2.00	10.0	9.13	91	10-200	
1,2-Dichlorobenzene	<0.200	10.0	9.88	99	71-133	
1,3-Dichlorobenzene	<0.200	10.0	10.8	108	75-124	
1,4-Dichlorobenzene	<0.200	10.0	9.17	92	74-123	
Dichlorodifluoromethane	<0.200	10.0	9.65	97	53-153	
1,1-Dichloroethane	<0.200	10.0	9.50	95	69-133	
1,2-Dichloroethane	<0.200	10.0	9.21	92	69-132	
cis-1,2-Dichloroethene	<0.200	10.0	9.82	98	72-126	
trans-1,2-dichloroethene	<0.200	10.0	8.31	83	63-137	
1,1-Dichloroethene	<0.200	10.0	9.52	95	68-130	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.200	10.0	10.4	104	75-125	
1,3-Dichloropropane	<0.200	10.0	10.5	105	73-126	
2,2-Dichloropropane	<0.200	10.0	9.46	95	69-137	
1,1-Dichloropropene	<0.200	10.0	8.94	89	73-132	
cis-1,3-Dichloropropene	<0.200	10.0	9.63	96	69-131	
trans-1,3-dichloropropene	<0.200	10.0	9.63	96	59-135	
Ethylbenzene	<0.200	10.0	9.93	99	73-127	
Hexachlorobutadiene	<0.200	10.0	9.36	94	67-131	
2-Hexanone	<1.00	50.0	43.0	86	50-150	
isopropylbenzene	<0.200	10.0	10.0	100	75-127	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	10.5	105	73-130	
Methylene Chloride	<0.400	10.0	10.1	101	63-137	
4-Methyl-2-Pentanone	<0.400	10.0	11.0	110	58-134	
MTBE	<0.200	10.0	9.45	95	65-123	
Naphthalene	<0.200	10.0	9.69	97	54-138	
n-Propylbenzene	<0.200	10.0	10.1	101	72-129	
Styrene	<0.200	10.0	10.0	100	65-134	
1,1,1,2-Tetrachloroethane	<0.200	10.0	9.58	96	81-129	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.38	94	63-128	
Tetrachloroethylene	<0.200	10.0	11.5	115	66-128	
Toluene	<0.200	10.0	8.85	89	77-122	
Methyl Acetate	<0.500	10.0	9.33	93	50-150	
1,2,3-Trichlorobenzene	<0.200	10.0	10.5	105	67-137	
Methylcyclohexane	<0.500	10.0	9.43	94	10-200	
1,2,4-Trichlorobenzene	<0.200	10.0	10.3	103	66-134	
1,1,1-Trichloroethane	<0.200	10.0	10.0	100	67-132	
1,1,2-Trichloroethane	<0.200	10.0	10.2	102	75-125	
Trichloroethene	<0.200	10.0	9.91	99	70-127	
Trichlorofluoromethane	<0.200	10.0	9.47	95	57-129	
1,2,3-Trichloropropane	<0.200	10.0	10.9	109	73-124	
1,2,4-Trimethylbenzene	<0.200	10.0	9.33	93	74-132	
1,3,5-trimethylbenzene	<0.200	10.0	9.80	98	74-131	
Vinyl Chloride	<0.200	10.0	7.62	76	50-134	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Lab Batch #: 768724 **Sample:** 535515-1-BKS **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
o-Xylene	<0.200	10.0	9.70	97	80-121	
m,p-Xylenes	<0.400	20.0	20.8	104	76-128	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	12.9	129	67-125	H

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: LATCOR **Date Prepared:** 08/12/2009 **Date Analyzed:** 08/13/2009

Lab Batch ID: 768393 **Sample:** 535310-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	<0.0010	0.0010	0.0010	100	0.001	0.0010	100	0	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: KAN **Date Prepared:** 08/11/2009 **Date Analyzed:** 08/11/2009

Lab Batch ID: 768319 **Sample:** 535180-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<0.001	0.050	0.036	72	0.05	0.036	72	0	47-120	20	
Acenaphthylene	<0.001	0.050	0.036	72	0.05	0.036	72	0	50-120	20	
Anthracene	<0.001	0.050	0.036	72	0.05	0.036	72	0	54-120	20	
Benzo(a)anthracene	<0.001	0.050	0.038	76	0.05	0.038	76	0	56-100	20	
Benzo(a)pyrene	<0.001	0.050	0.039	78	0.05	0.039	78	0	53-120	20	
Benzo(b)fluoranthene	<0.001	0.050	0.040	80	0.05	0.040	80	0	45-124	20	
Benzo(k)fluoranthene	<0.001	0.050	0.041	82	0.05	0.040	80	2	45-124	20	
Benzo(g,h,i)perylene	<0.001	0.050	0.041	82	0.05	0.041	82	0	38-123	20	
Benzoic Acid	<0.009	0.150	0.128	85	0.15	0.144	96	12	20-120	20	
Benzyl Alcohol	<0.001	0.050	0.035	70	0.05	0.034	68	3	30-120	20	
Benzyl Butyl Phthalate	<0.001	0.050	0.025	50	0.05	0.026	52	4	46-120	20	
bis(2-chloroethoxy) methane	<0.001	0.050	0.037	74	0.05	0.037	74	0	46-120	20	
bis(2-chloroethyl) ether	<0.001	0.050	0.030	60	0.05	0.037	74	21	37-120	20	F
bis(2-chloroisopropyl) ether	<0.001	0.050	0.034	68	0.05	0.034	68	0	26-131	20	
bis(2-ethylhexyl) phthalate	<0.001	0.050	0.038	76	0.05	0.038	76	0	42-126	20	
4-Bromophenyl-phenylether	<0.001	0.050	0.037	74	0.05	0.037	74	0	52-120	20	
4-chloro-3-methylphenol	<0.001	0.050	0.035	70	0.05	0.035	70	0	47-120	20	
4-Chloroaniline	<0.001	0.050	0.060	120	0.05	0.068	136	13	20-120	20	H
2-Chloronaphthalene	<0.001	0.050	0.037	74	0.05	0.037	74	0	49-120	20	
2-Chlorophenol	<0.001	0.050	0.030	60	0.05	0.031	62	3	37-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902
Analyst: KAN
Lab Batch ID: 768319
Sample: 535180-1-BKS
Units: mg/L

Date Prepared: 08/11/2009
Batch #: 1

Project ID:
Date Analyzed: 08/11/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorophenyl Phenyl Ether	<0.001	0.050	0.037	74	0.05	0.036	72	3	50-120	20	
Chrysene	<0.001	0.050	0.037	74	0.05	0.037	74	0	55-120	20	
Dibenz(a,h)anthracene	<0.001	0.050	0.041	82	0.05	0.041	82	0	42-127	20	
Dibenzofuran	<0.001	0.050	0.037	74	0.05	0.036	72	3	54-120	20	
di-n-Butyl Phthalate	<0.003	0.050	0.034	68	0.05	0.033	66	3	54-120	20	
3,3-Dichlorobenzidine	<0.002	0.050	0.025	50	0.05	0.025	50	0	20-120	20	
2,4-Dichlorophenol	<0.001	0.050	0.036	72	0.05	0.036	72	0	48-120	20	
Diethyl Phthalate	<0.001	0.050	0.036	72	0.05	0.035	70	3	41-120	20	
Dimethyl Phthalate	<0.001	0.050	0.036	72	0.05	0.036	72	0	25-127	20	
2,4-Dimethylphenol	<0.001	0.050	0.027	54	0.05	0.028	56	4	28-120	20	
4,6-dinitro-2-methyl phenol	<0.001	0.050	0.025	50	0.05	0.026	52	4	40-137	20	
2,4-Dinitrophenol	<0.001	0.050	0.035	70	0.05	0.034	68	3	25-130	20	
2,4-Dinitrotoluene	<0.001	0.050	0.035	70	0.05	0.034	68	3	51-120	20	
2,6-Dinitrotoluene	<0.001	0.050	0.037	74	0.05	0.037	74	0	49-120	20	
di-n-Octyl Phthalate	<0.001	0.050	0.040	80	0.05	0.040	80	0	37-137	20	
Fluoranthene	<0.001	0.050	0.036	72	0.05	0.036	72	0	54-120	20	
Fluorene	<0.001	0.050	0.037	74	0.05	0.037	74	0	50-120	20	
Hexachlorobenzene	<0.001	0.050	0.037	74	0.05	0.037	74	0	52-120	20	
Hexachlorobutadiene	<0.001	0.050	0.039	78	0.05	0.039	78	0	27-120	20	
Hexachlorocyclopentadiene	<0.001	0.050	0.038	76	0.05	0.037	74	3	41-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902
Analyst: KAN
Lab Batch ID: 768319
Sample: 535180-1-BKS
Units: mg/L
Date Prepared: 08/11/2009
Batch #: 1
Project ID:
Date Analyzed: 08/11/2009
Matrix: Water

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachloroethane	<0.001	0.050	0.038	76	0.05	0.037	74	3	28-120	20	
Indeno(1,2,3-c,d)Pyrene	<0.001	0.050	0.047	94	0.05	0.047	94	0	43-125	20	
Isophorone	<0.001	0.050	0.036	72	0.05	0.036	72	0	50-120	20	
2-Methylnaphthalene	<0.001	0.050	0.038	76	0.05	0.037	74	3	46-120	20	
2-methylphenol	<0.001	0.050	0.046	92	0.05	0.048	96	4	38-120	20	
3&4-Methylphenol	<0.002	0.100	0.076	76	0.1	0.081	81	6	32-120	20	
Naphthalene	<0.001	0.050	0.038	76	0.05	0.038	76	0	39-120	20	
2-Nitroaniline	<0.001	0.050	0.032	64	0.05	0.031	62	3	48-120	20	
3-Nitroaniline	<0.002	0.050	0.039	78	0.05	0.041	82	5	20-126	20	
4-Nitroaniline	<0.001	0.050	0.035	70	0.05	0.036	72	3	36-120	20	
Nitrobenzene	<0.001	0.050	0.037	74	0.05	0.037	74	0	44-120	20	
2-Nitrophenol	<0.001	0.050	0.032	64	0.05	0.033	66	3	39-123	20	
4-Nitrophenol	<0.001	0.050	0.025	50	0.05	0.045	90	57	20-120	20	F
N-Nitrosodi-n-Propylamine	<0.001	0.050	0.036	72	0.05	0.036	72	0	34-128	20	
N-Nitrosodiphenylamine	<0.002	0.050	0.034	68	0.05	0.035	70	3	48-120	20	
Pentachlorophenol	<0.001	0.050	0.037	74	0.05	0.034	68	8	38-120	20	
Phenanthrene	<0.001	0.050	0.036	72	0.05	0.036	72	0	51-120	20	
Phenol	<0.001	0.050	0.018	36	0.05	0.020	40	11	20-120	20	
Pyrene	<0.001	0.050	0.039	78	0.05	0.039	78	0	49-128	20	
2,4,5-Trichlorophenol	<0.001	0.050	0.034	68	0.05	0.034	68	0	49-120	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902

Analyst: KAN **Date Prepared:** 08/11/2009 **Project ID:**

Date Analyzed: 08/11/2009

Lab Batch ID: 768319 **Sample:** 535180-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Gc/Ms For Semivolatile Organics (Capillary Column Technique) Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<0.001	0.050	0.033	66	0.05	0.034	68	3	49-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<2.00	50.0	50.3	101	50	51.3	103	2	40-135	40.2	
Benzene	<0.200	10.0	10.2	102	10	8.73	87	16	81-122	21	
Bromobenzene	<0.200	10.0	11.1	111	10	9.92	99	11	76-124	20	
Bromochloromethane	<0.200	10.0	12.2	122	10	12.0	120	2	65-129	20	
Bromodichloromethane	<0.200	10.0	11.0	110	10	10.9	109	1	76-121	20	
Bromoform	<0.200	10.0	10.2	102	10	10.5	105	3	69-128	20	
Bromomethane	<0.200	10.0	9.26	93	10	8.87	89	4	53-141	20	
2-Butanone	<1.00	50.0	48.9	98	50	56.7	113	15	49-136	20	
tert-Butylbenzene	<0.200	10.0	10.5	105	10	10.3	103	2	70-129	20	
Sec-Butylbenzene	<0.200	10.0	10.8	108	10	10.1	101	7	72-127	20	
n-Butylbenzene	<0.200	10.0	10.6	106	10	10.1	101	5	69-137	20	
Carbon Disulfide	<0.200	10.0	11.7	117	10	11.2	112	4	10-200	20	
Carbon Tetrachloride	<0.200	10.0	11.1	111	10	10.4	104	7	66-138	20	
Chlorobenzene	<0.200	10.0	9.56	96	10	9.76	98	2	81-122	21	
Chloroethane	<0.200	10.0	9.11	91	10	9.91	99	8	58-133	20	
Chloroform	<0.200	10.0	10.2	102	10	9.92	99	3	69-128	20	
1-Chlorohexane	<0.200	10.0	11.1	111	10	10.4	104	7	70-125	20	
Chloromethane	<0.200	10.0	9.16	92	10	9.08	91	1	56-131	20	
4-Chlorotoluene	<0.200	10.0	10.6	106	10	9.78	98	8	74-128	20	
1,2-Dibromo-3-Chloropropane	<0.200	10.0	10.1	101	10	9.18	92	10	50-132	28	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibromochloromethane	<0.200	10.0	10.2	102	10	10.1	101	1	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<0.200	10.0	10.7	107	10	11.0	110	3	80-121	20	
Dibromomethane	<0.200	10.0	11.4	114	10	11.5	115	1	76-125	23	
Cyclohexane	<2.00	10.0	7.04	70	10	7.47	75	6	10-200	21	
1,2-Dichlorobenzene	<0.200	10.0	10.8	108	10	9.64	96	11	71-133	20	
1,3-Dichlorobenzene	<0.200	10.0	11.1	111	10	10.1	101	9	75-124	20	
1,4-Dichlorobenzene	<0.200	10.0	9.21	92	10	8.87	89	4	74-123	20	
Dichlorodifluoromethane	<0.200	10.0	12.9	129	10	11.3	113	13	53-153	23	
1,1-Dichloroethane	<0.200	10.0	11.8	118	10	10.8	108	9	69-133	20	
1,2-Dichloroethane	<0.200	10.0	11.0	110	10	11.0	110	0	69-132	20	
cis-1,2-Dichloroethene	<0.200	10.0	11.6	116	10	10.6	106	9	72-126	20	
trans-1,2-dichloroethene	<0.200	10.0	9.96	100	10	9.11	91	9	63-137	20	
1,1-Dichloroethene	<0.200	10.0	11.3	113	10	10.5	105	7	68-130	22	
1,2-Dichloropropane	<0.200	10.0	10.5	105	10	10.7	107	2	75-125	20	
1,3-Dichloropropane	<0.200	10.0	9.88	99	10	9.72	97	2	73-126	20	
2,2-Dichloropropane	<0.200	10.0	10.4	104	10	10.6	106	2	69-137	20	
1,1-Dichloropropene	<0.200	10.0	10.2	102	10	10.2	102	0	73-132	20	
cis-1,3-Dichloropropene	<0.200	10.0	10.4	104	10	9.83	98	6	69-131	20	
trans-1,3-dichloropropene	<0.200	10.0	10.5	105	10	9.59	96	9	59-135	20	
Ethylbenzene	<0.200	10.0	10.4	104	10	10.1	101	3	73-127	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene	<0.200	10.0	10.6	106	10	9.61	96	10	67-131	20	
2-Hexanone	<1.00	50.0	47.1	94	50	47.2	94	0	50-150	24.5	
isopropylbenzene	<0.200	10.0	10.9	109	10	10.5	105	4	75-127	20	
p-Isopropyltoluene (p-Cymene)	<0.200	10.0	11.3	113	10	10.5	105	7	73-130	20	
Methylene Chloride	<0.400	10.0	11.7	117	10	11.4	114	3	63-137	35	
4-Methyl-2-Pentanone	<0.400	10.0	11.5	115	10	9.97	100	14	58-134	25	
MTBE	<0.200	10.0	11.8	118	10	11.5	115	3	65-123	20	
Naphthalene	<0.200	10.0	9.56	96	10	9.34	93	2	54-138	20	
n-Propylbenzene	<0.200	10.0	10.4	104	10	9.27	93	11	72-129	20	
Styrene	<0.200	10.0	10.3	103	10	10.2	102	1	65-134	51	
1,1,1,2-Tetrachloroethane	<0.200	10.0	11.0	110	10	9.57	96	14	81-129	20	
1,1,2,2-Tetrachloroethane	<0.200	10.0	9.78	98	10	8.95	90	9	63-128	31	
Tetrachloroethylene	<0.200	10.0	10.1	101	10	10.5	105	4	66-128	20	
Toluene	<0.200	10.0	9.26	93	10	9.54	95	3	77-122	21	
Methyl Acetate	<0.500	10.0	9.56	96	10	10.1	101	5	50-150	20	
1,2,3-Trichlorobenzene	<0.200	10.0	10.8	108	10	10.5	105	3	67-137	20	
Methylcyclohexane	<0.500	10.0	7.63	76	10	7.75	78	2	10-200	20	
1,2,4-Trichlorobenzene	<0.200	10.0	10.1	101	10	9.69	97	4	66-134	20	
1,1,1-Trichloroethane	<0.200	10.0	11.3	113	10	10.8	108	5	67-132	20	
1,1,2-Trichloroethane	<0.200	10.0	10.5	105	10	10.2	102	3	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902 **Project ID:**

Analyst: KHM **Date Prepared:** 08/17/2009 **Date Analyzed:** 08/17/2009

Lab Batch ID: 768841 **Sample:** 535608-1-BKS **Batch #:** 1 **Matrix:** Water

Units: ug/L

Drinking Water Compounds By GCMS Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Trichloroethene	<0.200	10.0	11.0	110	10	9.69	97	13	70-127	24	
Trichlorofluoromethane	<0.200	10.0	10.7	107	10	11.5	115	7	57-129	20	
1,2,3-Trichloropropane	<0.200	10.0	10.6	106	10	11.0	110	4	73-124	20	
1,2,4-Trimethylbenzene	<0.200	10.0	11.3	113	10	10.1	101	11	74-132	20	
1,3,5-trimethylbenzene	<0.200	10.0	10.9	109	10	10.1	101	8	74-131	20	
Vinyl Chloride	<0.200	10.0	8.36	84	10	9.10	91	8	50-134	20	
o-Xylene	<0.200	10.0	9.69	97	10	9.24	92	5	80-121	20	
m,p-Xylenes	<0.400	20.0	21.0	105	20	20.6	103	2	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.500	10.0	14.5	145	10	15.0	150	3	67-125	20	H

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902
Lab Batch #: 768319
Project ID:
Date Analyzed: 08/11/2009
Date Prepared: 08/11/2009
Analyst: KAN
QC- Sample ID: 340203-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

SVOAs by SW-846 8270C Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Acenaphthene	<0.025	0.250	0.181	72	47-120	
Acenaphthylene	<0.025	0.250	0.178	71	50-120	
Anthracene	<0.025	0.250	0.179	72	54-120	
Benzo(a)anthracene	<0.025	0.250	0.184	74	56-100	
Benzo(a)pyrene	<0.025	0.250	0.189	76	53-120	
Benzo(b)fluoranthene	<0.025	0.250	0.196	78	45-124	
Benzo(k)fluoranthene	<0.025	0.250	0.200	80	45-124	
Benzo(g,h,i)perylene	<0.025	0.250	0.200	80	38-123	
Benzoic Acid	<0.150	0.750	<0.500	0	20-120	X
Benzyl Alcohol	<0.050	0.250	0.145	58	30-120	
Benzyl Butyl Phthalate	<0.025	0.250	0.116	46	46-120	
bis(2-chloroethoxy) methane	<0.050	0.250	0.179	72	46-120	
bis(2-chloroethyl) ether	<0.050	0.250	0.148	59	37-120	
bis(2-chloroisopropyl) ether	<0.050	0.250	0.171	68	26-131	
bis(2-ethylhexyl) phthalate	<0.025	0.250	0.192	77	42-126	
4-Bromophenyl-phenylether	<0.050	0.250	0.184	74	52-120	
4-chloro-3-methylphenol	<0.050	0.250	0.175	70	47-120	
4-Chloroaniline	<0.100	0.250	0.238	95	20-120	
2-Chloronaphthalene	<0.050	0.250	0.183	73	49-120	
2-Chlorophenol	<0.050	0.250	0.159	64	37-120	
4-Chlorophenyl Phenyl Ether	<0.050	0.250	0.179	72	50-120	
Chrysene	<0.025	0.250	0.187	75	55-120	
Dibenz(a,h)anthracene	<0.025	0.250	0.200	80	42-127	
Dibenzofuran	<0.050	0.250	0.180	72	54-120	
di-n-Butyl Phthalate	<0.025	0.250	0.164	66	54-120	
3,3-Dichlorobenzidine	<0.050	0.250	0.084	34	20-120	
2,4-Dichlorophenol	<0.050	0.250	0.185	74	48-120	
Diethyl Phthalate	<0.025	0.250	0.176	70	41-120	
Dimethyl Phthalate	<0.025	0.250	0.178	71	25-127	
2,4-Dimethylphenol	<0.050	0.250	0.134	54	28-120	
4,6-dinitro-2-methyl phenol	<0.050	0.250	0.140	56	40-137	
2,4-Dinitrophenol	<0.050	0.250	0.114	46	25-130	
2,4-Dinitrotoluene	<0.050	0.250	0.169	68	51-120	
2,6-Dinitrotoluene	<0.050	0.250	0.185	74	49-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS Recoveries

Project Name: 2009 Split Sampling

Work Order #: 339902
Lab Batch #: 768319
Project ID:
Date Analyzed: 08/11/2009
Date Prepared: 08/11/2009
Analyst: KAN
QC- Sample ID: 340203-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

SVOAs by SW-846 8270C Analytes		Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
di-n-Octyl Phthalate	<0.025	0.250	0.198	79	37-137	
Fluoranthene	<0.025	0.250	0.176	70	54-120	
Fluorene	<0.025	0.250	0.184	74	50-120	
Hexachlorobenzene	<0.050	0.250	0.183	73	52-120	
Hexachlorobutadiene	<0.050	0.250	0.195	78	27-120	
Hexachlorocyclopentadiene	<0.050	0.250	0.193	77	41-125	
Hexachloroethane	<0.050	0.250	0.187	75	28-120	
Indeno(1,2,3-c,d)Pyrene	<0.025	0.250	0.116	46	43-125	
Isophorone	<0.050	0.250	0.174	70	50-120	
2-Methylnaphthalene	<0.025	0.250	0.188	75	46-120	
2-methylphenol	<0.050	0.250	0.152	61	38-120	
3&4-Methylphenol	<0.050	0.500	0.324	65	32-120	
Naphthalene	<0.025	0.250	0.189	76	39-120	
2-Nitroaniline	<0.050	0.250	0.157	63	48-120	
3-Nitroaniline	<0.050	0.250	0.191	76	20-126	
4-Nitroaniline	<0.100	0.250	0.187	75	36-120	
Nitrobenzene	<0.050	0.250	0.182	73	44-120	
2-Nitrophenol	<0.050	0.250	0.168	67	39-123	
4-Nitrophenol	<0.050	0.250	0.050	20	20-120	
N-Nitrosodi-n-Propylamine	<0.050	0.250	0.189	76	34-128	
N-Nitrosodiphenylamine	<0.050	0.250	0.174	70	48-120	
Pentachlorophenol	<0.050	0.250	0.218	87	38-120	
Phenanthrene	<0.025	0.250	0.176	70	51-120	
Phenol	<0.050	0.250	0.142	57	20-120	
Pyrene	<0.025	0.250	0.197	79	49-128	
2,4,5-Trichlorophenol	<0.050	0.250	0.179	72	49-120	
2,4,6-Trichlorophenol	<0.050	0.250	0.173	69	49-126	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339902 **Project ID:**

Lab Batch ID: 769149 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Aluminum	2.92	0.200	3.11	95	0.200	3.31	195	6	75-125	25	X
Barium	0.133	0.050	0.176	86	0.050	0.179	92	2	75-125	25	
Beryllium	<0.0010	0.0200	0.0173	87	0.0200	0.0169	85	2	75-125	25	
Boron	0.169	0.020	0.179	50	0.020	0.171	10	5	75-125	25	X
Cadmium	<0.001	0.020	0.021	105	0.020	0.021	105	0	75-125	25	
Calcium	61.1	3.00	61.3	7	3.00	61.0	0	0	75-125	25	X
Chromium	0.003	0.050	0.050	94	0.050	0.050	94	0	75-125	25	
Cobalt	0.001	0.050	0.048	94	0.050	0.049	96	2	75-125	25	
Iron	2.59	0.200	2.58	0	0.200	2.78	95	7	75-125	25	X
Lead	0.003	0.050	0.054	102	0.050	0.053	100	2	75-125	25	
Magnesium	14.0	3.00	16.4	80	3.00	16.8	93	2	75-125	25	
Manganese	0.167	0.050	0.207	80	0.050	0.213	92	3	75-125	25	
Molybdenum	0.006	0.050	0.056	100	0.050	0.058	104	4	75-125	25	
Nickel	0.005	0.050	0.053	96	0.050	0.054	98	2	75-125	25	
Potassium	7.54	2.00	9.17	82	2.00	9.18	82	0	75-125	25	
Selenium	0.002	0.050	0.047	90	0.050	0.048	92	2	75-125	25	
Silver	<0.002	0.020	0.018	90	0.020	0.018	90	0	75-125	25	
Thallium	<0.003	0.050	0.044	88	0.050	0.046	92	4	75-125	25	
Tin	0.020	1.00	1.06	104	1.00	1.06	104	0	75-125	25	
Titanium	0.058	1.00	0.979	92	1.00	0.991	93	1	75-125	25	
Vanadium	0.012	0.050	0.066	108	0.050	0.067	110	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339902 **Project ID:**

Lab Batch ID: 768393 **QC- Sample ID:** 339571-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/13/2009 **Date Prepared:** 08/12/2009 **Analyst:** LATCOR

Reporting Units: mg/L

Mercury by SW-846 7470A Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury	0.0001	0.0010	0.0009	80	0.0010	0.0009	80	0	75-125	20	

Lab Batch ID: 769153 **QC- Sample ID:** 339707-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

Reporting Units: mg/L

Total Metals by SW6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	0.010	0.050	0.054	88	0.050	0.058	96	7	75-125	25	
Chromium	0.003	0.050	0.044	82	0.050	0.048	90	9	75-125	25	
Copper	0.011	0.050	0.054	86	0.050	0.058	94	7	75-125	25	
Zinc	0.012	0.050	0.051	78	0.050	0.055	86	8	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339902 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acetone	<10.0	50.0	24.0	48	50.0	36.6	73	42	40-135	40.2	F
Benzene	<0.400	10.0	9.95	100	10.0	9.25	93	7	81-122	21	
Bromobenzene	<1.00	10.0	11.1	111	10.0	10.4	104	7	76-124	20	
Bromochloromethane	<1.00	10.0	12.1	121	10.0	11.2	112	8	65-129	20	
Bromodichloromethane	0.350	10.0	11.5	112	10.0	10.8	105	6	76-121	20	
Bromoform	<1.00	10.0	12.6	126	10.0	11.9	119	6	69-128	20	
Bromomethane	<3.00	10.0	10.0	100	10.0	8.90	89	12	53-141	20	
2-Butanone	<10.0	50.0	42.5	85	50.0	50.4	101	17	49-136	20	
tert-Butylbenzene	<1.00	10.0	10.9	109	10.0	9.67	97	12	70-129	20	
Sec-Butylbenzene	<1.00	10.0	10.6	106	10.0	9.46	95	11	72-127	20	
n-Butylbenzene	<1.00	10.0	10.4	104	10.0	9.21	92	12	69-137	20	
Carbon Disulfide	<1.00	100	9.92	10	100	8.98	9	10	10-200	20	X
Carbon Tetrachloride	<1.00	10.0	10.4	104	10.0	9.64	96	8	66-138	20	
Chlorobenzene	<1.00	10.0	11.2	112	10.0	9.97	100	12	81-122	21	
Chloroethane	<0.500	10.0	7.89	79	10.0	6.84	68	14	58-133	20	
Chloroform	0.350	10.0	10.3	100	10.0	9.42	91	9	69-128	20	
1-Chlorohexane	<1.00	10.0	11.2	112	10.0	9.74	97	14	70-125	20	
Chloromethane	<1.00	10.0	8.24	82	10.0	7.83	78	5	56-131	20	
4-Chlorotoluene	<1.00	10.0	10.6	106	10.0	10.2	102	4	74-128	20	
1,2-Dibromo-3-Chloropropane	<2.00	10.0	11.5	115	10.0	10.8	108	6	50-132	28	
Dibromochloromethane	0.440	10.0	11.4	110	10.0	10.3	99	10	66-133	20	
1,2-Dibromoethane (Ethylene Dibromide)	<1.00	10.0	11.4	114	10.0	10.2	102	11	80-121	20	
Dibromomethane	<1.00	10.0	11.7	117	10.0	11.3	113	3	76-125	23	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339902 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<1.00	10.0	10.7	107	10.0	10.0	100	7	71-133	20	
1,3-Dichlorobenzene	<1.00	10.0	11.8	118	10.0	10.7	107	10	75-124	20	
1,4-Dichlorobenzene	<0.500	10.0	9.90	99	10.0	9.36	94	6	74-123	20	
Dichlorodifluoromethane	<1.00	10.0	10.3	103	10.0	10.5	105	2	53-153	23	
1,1-Dichloroethane	<1.00	10.0	10.6	106	10.0	9.82	98	8	69-133	20	
1,2-Dichloroethane	<0.500	10.0	9.88	99	10.0	9.58	96	3	69-132	20	
cis-1,2-Dichloroethene	<1.00	10.0	10.8	108	10.0	10.3	103	5	72-126	20	
trans-1,2-dichloroethene	<1.00	10.0	9.26	93	10.0	8.27	83	11	63-137	20	
1,1-Dichloroethene	<1.00	10.0	11.0	110	10.0	9.79	98	12	68-130	22	
1,2-Dichloropropane	<1.00	10.0	11.4	114	10.0	10.8	108	5	75-125	20	
1,3-Dichloropropane	<0.400	10.0	11.6	116	10.0	10.8	108	7	73-126	20	
2,2-Dichloropropane	<1.00	10.0	9.56	96	10.0	9.10	91	5	69-137	20	
1,1-Dichloropropene	<1.00	10.0	10.0	100	10.0	8.67	87	14	73-132	20	
cis-1,3-Dichloropropene	<0.500	10.0	10.9	109	10.0	10.1	101	8	69-131	20	
trans-1,3-dichloropropene	<1.00	10.0	10.5	105	10.0	9.33	93	12	59-135	20	
Ethylbenzene	<1.00	10.0	10.7	107	10.0	9.59	96	11	73-127	20	
Hexachlorobutadiene	<0.600	10.0	9.79	98	10.0	8.70	87	12	67-131	20	
2-Hexanone	<1.00	100	50.5	51	100	48.9	49	3	50-150	24.5	X
isopropylbenzene	<1.00	10.0	10.7	107	10.0	9.58	96	11	75-127	20	
p-Isopropyltoluene (p-Cymene)	<1.00	10.0	10.8	108	10.0	9.95	100	8	73-130	20	
Methylene Chloride	<1.00	10.0	11.2	112	10.0	10.2	102	9	63-137	35	
4-Methyl-2-Pentanone	<10.0	10.0	13.2	132	10.0	13.4	134	2	58-134	25	
MTBE	<5.00	10.0	10.5	105	10.0	10.2	102	3	65-123	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: 2009 Split Sampling

Work Order # : 339902 **Project ID:**

Lab Batch ID: 768724 **QC- Sample ID:** 339571-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/15/2009 **Date Prepared:** 08/15/2009 **Analyst:** KHM

Reporting Units: ug/L

Drinking Water Compounds By GCMS Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Naphthalene	<1.00	10.0	11.5	115	10.0	11.2	112	3	54-138	20	
n-Propylbenzene	<1.00	10.0	10.9	109	10.0	10.2	102	7	72-129	20	
Styrene	<1.00	10.0	9.84	98	10.0	8.77	88	11	65-134	51	
1,1,1,2-Tetrachloroethane	<0.500	10.0	11.1	111	10.0	9.83	98	12	81-129	20	
1,1,2,2-Tetrachloroethane	<0.500	10.0	11.9	119	10.0	11.1	111	7	63-128	31	
Tetrachloroethylene	<1.00	10.0	11.6	116	10.0	10.5	105	10	66-128	20	
Toluene	0.440	10.0	10.2	98	10.0	9.09	87	12	77-122	21	
1,2,3-Trichlorobenzene	<1.00	10.0	11.4	114	10.0	10.9	109	4	67-137	20	
1,2,4-Trichlorobenzene	<1.00	10.0	11.0	110	10.0	10.2	102	8	66-134	20	
1,1,1-Trichloroethane	<1.00	10.0	11.2	112	10.0	9.70	97	14	67-132	20	
1,1,2-Trichloroethane	<1.00	10.0	12.2	122	10.0	11.2	112	9	75-125	20	
Trichloroethene	<1.00	10.0	10.4	104	10.0	9.70	97	7	70-127	24	
Trichlorofluoromethane	<1.00	10.0	9.20	92	10.0	9.83	98	7	57-129	20	
1,2,3-Trichloropropane	<1.00	10.0	12.5	125	10.0	11.5	115	8	73-124	20	X
1,2,4-Trimethylbenzene	<1.00	10.0	9.98	100	10.0	8.95	90	11	74-132	20	
1,3,5-trimethylbenzene	<1.00	10.0	10.3	103	10.0	9.35	94	10	74-131	20	
Vinyl Chloride	<1.00	10.0	7.58	76	10.0	8.09	81	7	50-134	20	
o-Xylene	<1.00	10.0	10.9	109	10.0	9.84	98	10	80-121	20	
m,p-Xylenes	<2.00	20.0	23.3	117	20.0	20.7	104	12	76-128	20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.00	10.0	12.3	123	10.0	10.4	104	17	67-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: 2009 Split Sampling

Work Order #: 339902

Lab Batch #: 769149 **Project ID:**

Date Analyzed: 08/13/2009 **Date Prepared:** 08/10/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Aluminum	2.92	2.84	3	25	
Barium	0.133	0.130	2	25	
Beryllium	<0.0010	<0.0010	NC	25	
Boron	0.169	0.169	0	25	
Cadmium	<0.001	<0.001	NC	25	
Calcium	61.1	60.8	0	25	
Chromium	0.003	0.003	0	25	
Cobalt	0.001	0.001	0	25	
Iron	2.59	2.50	4	25	
Lead	0.003	0.003	0	25	
Magnesium	14.0	14.0	0	25	
Manganese	0.167	0.165	1	25	
Molybdenum	0.006	0.006	0	25	
Nickel	0.005	0.005	0	25	
Potassium	7.54	7.42	2	25	
Selenium	0.002	0.001	67	25	F
Silver	<0.002	<0.002	NC	25	
Thallium	<0.003	<0.003	NC	25	
Tin	0.020	<0.050	NC	25	
Titanium	0.058	0.053	9	25	
Vanadium	0.012	0.012	0	25	

Lab Batch #: 769153

Date Analyzed: 08/14/2009 **Date Prepared:** 08/14/2009 **Analyst:** HAT

QC- Sample ID: 339707-006 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Total Metals by SW6020 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	0.010	0.012	18	25	
Chromium	0.003	0.004	29	25	F
Copper	0.011	0.012	9	25	
Zinc	0.012	0.013	8	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

XENCO Laboratories

☑ 4141 Greenbriar Drive, Stafford, Tx 77477 281-589-0692
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☐ 12600 West I-20 East, Odessa, Tx 79765 432-563-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 224996 Page 1 of 1

Company-City: TCEQ - El Paso - Region 6 Phone: 915-834-4964
Lab Only: 339902-H
Proj Name-Location: 2009 Split Sampling - El Paso, TX. ☐ Previously done at XENCO Project ID:
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data. 14d
Proj State: AL, CO, FL, GA, LA, MS, NC, NJ, NM, OK, PA, SC, TN, UT Other
Proj. Manager (PM): Mary Simpson
e-mail to PM: M-simpson@tceq.state.tx.us Fax to:
and e-mail to: JOJeda@tceq.state.tx.us
Invoice to ☐ Accounting ☐ Inc. Invoice with Report ☐ Invoice must have a P.O or Bill to:
Quote/Pricing: P.O No: ☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
LPST No.: ☐ Dry Basis
Sampler Name: Robert Gillian Signature:

	Sample ID	Sampling Date	Time	Depth (In")	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs BTEX-MTBE OXYG ETOH VOHs 8260 (Ht SOH)	PAH 8270 8270-SIM 8310	TPH: TX1005 8015B 8015Mod 8015DRO 8015GRO 8015ORO	SVOCs 8270 8270-SIM 625 TCLP\SPLP ( )	Metals: RCRA (4, 8, 11) Pb TCLP/SPLP ( ) Other:	Metals Method: 6010 6020 200.8 7470/245.1 7471 (Hg) (Ht103)	NORM Ra 226 228 Uranium	Asbestos PLM PCM	Pesticides 8081 608 TCLP\SPLP ( )	Herbicides 8151 615 TCLP\SPLP ( )	PCBS 8082 608	7470 14 (Hg) (Ht103)	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	Addn: Date Rcv by: From:
1	FD-3 (GW)	8/5/09	0630	18.34	W		X	6	✓	✓	✓	X	X				X						X	14				1
2	EP-20 (GW)	8/5/09	0750	12.8	W		X	6	✓	✓	✓	X	X				X						X	14				2
3	EP-35 (GW)	8/5/09	0825	13.63	W		X	6	✓	✓	✓	X	X				X						X	14				3
4	EP-29 (GW)	8/5/09	0900	13.34	W		X	6	✓	✓	✓	X	X				X						X	14				4
5	FB EP-29 (GW)	8/5/09	0901	13.34	W		X	3	✓	✓	✓	X												14				5
6																												6
7																												7
8																												8
9																												9
10																												10

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1 Robert Gillian RG	8/5/09 10:52	Jaime Molusco	8-5-09 10:55
2 Jaime Molusco JM	8/5/09 1:40		
3 FEDEX		Lab:	8/6/09 0845

Total Containers per COC: 27 Cooler Temp: 1.9 C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be hold 30 days after final report is e-mailed unless hereby requested. Rush Charges are pre-approved.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____

Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Tedlar Bag (B), Wipe (W), Other _____ **Cont. Type:** Glass Amb (A), Glass Clear (C), Plastic (P), Other (O) _____

Matrix: Air (A), Product (P), Solid(S), Water (W)

Committed to Excellence in Service and Quality since 1989 www.xenco.com

XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: TCEQ

Date/Time: 08/06/09

Lab ID # : 339902

Initials:

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	(Yes)	No		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No. 898		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
61 lbs	1.9 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: (006) TB not on COC

Corrective Action Taken: _____

Check all that apply:
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event