Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-29

Lab Sample ID: 680-28701-13
Client Matrix: Water

Date Sampled: 07/25/2007 12:18
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 525.2,Water												
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	1897-45-6	0.22	U		0.090	0.20	0.10	ug/L	07/31/2007 16:34	81818	1	ES
2,4-Dinitrotoluene	121-14-2	0.83	U	*	0.25	0.75	0.28	ug/L	07/31/2007 16:34	81818	1	ES
2,6-Dinitrotoluene	606-20-2	0.83	U	*	0.25	0.75	0.28	ug/L	07/31/2007 16:34	81818	1	ES
4,4'-DDD	72-54-8	0.56	U		0.044	0.50	0.049	ug/L	07/31/2007 16:34	81818	1	ES
4,4'-DDE	72-55-9	0.22	U		0.052	0.20	0.058	ug/L	07/31/2007 16:34	81818	1	ES
4,4'-DDT	50-29-3	0.56	U		0.045	0.50	0.050	ug/L	07/31/2007 16:34	81818	1	ES
Acenaphthylene	208-96-8	0.22	U		0.038	0.20	0.042	ug/L	07/31/2007 16:34	81818	1	ES
Acetochlor	34256-82-1	0.56	U		0.058	0.50	0.064	ug/L	07/31/2007 16:34	81818	1	ES
Alachlor	15972-60-8	0.22	U		0.060	0.20	0.067	ug/L	07/31/2007 16:34	81818	1	ES
Aldrin	309-00-2	0.22	U		0.052	0.20	0.058	ug/L	07/31/2007 16:34	81818	1	ES
alpha-BHC	319-84-6	0.22	U		0.035	0.20	0.039	ug/L	07/31/2007 16:34	81818	1	ES
alpha-Chlordane	5103-71-9	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
Anthracene UJ-LCS-L	120-12-7	0.22	U	*	0.034	0.20	0.038	ug/L	07/31/2007 16:34	81818	1	ES
Atrazine	1912-24-9	0.22	U		0.043	0.20	0.048	ug/L	07/31/2007 16:34	81818	1	ES
Benzo[a]anthracene	56-55-3	0.22	U		0.028	0.20	0.031	ug/L	07/31/2007 16:34	81818	1	ES
Benzo[a]pyrene	50-32-8	0.22	U		0.025	0.20	0.028	ug/L	07/31/2007 16:34	81818	1	ES
Benzo[b]fluoranthene	205-99-2	0.22	U		0.039	0.20	0.043	ug/L	07/31/2007 16:34	81818	1	ES
Benzo[g,h,i]perylene	191-24-2	0.22	U		0.042	0.20	0.047	ug/L	07/31/2007 16:34	81818	1	ES
Benzo[k]fluoranthene	207-08-9	0.22	U		0.044	0.20	0.049	ug/L	07/31/2007 16:34	81818	1	ES
beta-BHC	319-85-7	0.22	U		0.086	0.20	0.096	ug/L	07/31/2007 16:34	81818	1	ES
Bis(2-ethylhexyl) phthalate UJ-FD	117-81-7	2.2	U		0.50	2.0	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Bromacil	314-40-9	0.56	U		0.050	0.50	0.056	ug/L	07/31/2007 16:34	81818	1	ES
Butachlor	23184-66-9	0.56	U		0.065	0.50	0.072	ug/L	07/31/2007 16:34	81818	1	ES
Butyl benzyl phthalate	85-68-7	0.83	U		0.25	0.75	0.28	ug/L	07/31/2007 16:34	81818	1	ES
Butylate	2008-41-5	0.22	U		0.040	0.20	0.044	ug/L	07/31/2007 16:34	81818	1	ES
Chloroneb	2675-77-6	0.56	U		0.036	0.50	0.040	ug/L	07/31/2007 16:34	81818	1	ES

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-29

Lab Sample ID: 680-28701-13
Client Matrix: Water

Date Sampled: 07/25/2007 12:18
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Chlorpropham	101-21-3	0.22	U		0.033	0.20	0.037	ug/L	07/31/2007 16:34	81818	1	ES
Chlorpyrifos	2921-88-2	0.56	U		0.057	0.50	0.063	ug/L	07/31/2007 16:34	81818	1	ES
Chrysene	218-01-9	0.22	U		0.051	0.20	0.057	ug/L	07/31/2007 16:34	81818	1	ES
cis-Permethrin	54774-45-7	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
Cycloate	1134-23-2	0.22	U		0.049	0.20	0.054	ug/L	07/31/2007 16:34	81818	1	ES
delta-BHC	319-86-8	0.22	U		0.038	0.20	0.042	ug/L	07/31/2007 16:34	81818	1	ES
Di(2-ethylhexyl)adipate	103-23-1	1.7	U		0.50	1.5	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Di-n-butyl phthalate	84-74-2	1.7	U		0.50	1.5	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Dibenz(a,h)anthracene	53-70-3	0.22	U		0.035	0.20	0.039	ug/L	07/31/2007 16:34	81818	1	ES
Dichlorvos	62-73-7	0.22	U		0.037	0.20	0.041	ug/L	07/31/2007 16:34	81818	1	ES
Dieldrin	60-57-1	0.56	U		0.080	0.50	0.089	ug/L	07/31/2007 16:34	81818	1	ES
Diethyl phthalate	84-66-2	1.7	U		0.50	1.5	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Dimethyl phthalate	131-11-3	1.7	U		0.50	1.5	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Diphenamid	957-51-7	0.22	U		0.031	0.20	0.034	ug/L	07/31/2007 16:34	81818	1	ES
Endosulfan I	959-98-8	0.56	U		0.20	0.50	0.22	ug/L	07/31/2007 16:34	81818	1	ES
Endosulfan II	33213-65-9	0.56	U		0.16	0.50	0.18	ug/L	07/31/2007 16:34	81818	1	ES
Endosulfan sulfate	1031-07-8	0.56	U		0.13	0.50	0.14	ug/L	07/31/2007 16:34	81818	1	ES
Endrin	72-20-8	0.56	U		0.12	0.50	0.13	ug/L	07/31/2007 16:34	81818	1	ES
Endrin aldehyde	7421-93-4	1.1	U		0.082	1.0	0.091	ug/L	07/31/2007 16:34	81818	1	ES
EPTC	759-94-4	0.22	U		0.048	0.20	0.053	ug/L	07/31/2007 16:34	81818	1	ES
Ethyl 4,4'-Dichlorobenzilate	510-15-6	7.4	U		2.2	6.7	2.4	ug/L	07/31/2007 16:34	81818	1	ES
Etridiazole	2593-15-9	0.22	U		0.046	0.20	0.051	ug/L	07/31/2007 16:34	81818	1	ES
Fenarimol	60168-88-9	1.1	U		1.9	1.0	2.1	ug/L	07/31/2007 16:34	81818	1	ES
Fluorene	86-73-7	0.22	U		0.040	0.20	0.044	ug/L	07/31/2007 16:34	81818	1	ES
Fluridone	59756-60-4	0.83	U		0.25	0.75	0.28	ug/L	07/31/2007 16:34	81818	1	ES
gamma-BHC (Lindane)	58-89-9	0.22	U		0.069	0.20	0.077	ug/L	07/31/2007 16:34	81818	1	ES
gamma-Chlordane	5103-74-2	0.22	U		0.077	0.20	0.086	ug/L	07/31/2007 16:34	81818	1	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
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Client Matrix: Water

Date Sampled: 07/25/2007 12:18
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TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Heptachlor	76-44-8	0.22	U		0.038	0.20	0.042	ug/L	07/31/2007 16:34	81818	1	ES
Heptachlor epoxide	1024-57-3	0.22	U		0.091	0.20	0.10	ug/L	07/31/2007 16:34	81818	1	ES
Hexachlorobenzene	118-74-1	0.22	U		0.032	0.20	0.036	ug/L	07/31/2007 16:34	81818	1	ES
Hexachlorocyclopentadiene	77-47-4	2.2	U		0.056	2.0	0.062	ug/L	07/31/2007 16:34	81818	1	ES
Hexazinone	51235-04-2	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
Indeno[1,2,3-cd]pyrene	193-39-5	0.22	U		0.025	0.20	0.028	ug/L	07/31/2007 16:34	81818	1	ES
Isophorone	78-59-1	0.22	U		0.040	0.20	0.044	ug/L	07/31/2007 16:34	81818	1	ES
Methoxychlor	72-43-5	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
Methyl paraoxon	950-35-6	0.56	U		0.044	0.50	0.049	ug/L	07/31/2007 16:34	81818	1	ES
Metolachlor	51218-45-2	0.22	U		0.025	0.20	0.028	ug/L	07/31/2007 16:34	81818	1	ES
Metribuzin	21087-64-9	0.22	U		0.027	0.20	0.030	ug/L	07/31/2007 16:34	81818	1	ES
Mevinphos	7786-34-7	0.56	U		0.039	0.50	0.043	ug/L	07/31/2007 16:34	81818	1	ES
MGK 264 - isomer a UJ-CCAL-L	113-48-4	0.22	U		0.031	0.20	0.034	ug/L	07/31/2007 16:34	81818	1	ES
MGK 264 - isomer b UJ-CCAL-L	113-48-4	0.22	U		0.036	0.20	0.040	ug/L	07/31/2007 16:34	81818	1	ES
Mocap	13194-48-4	0.56	U		0.053	0.50	0.059	ug/L	07/31/2007 16:34	81818	1	ES
Molinate	2212-67-1	0.22	U		0.046	0.20	0.051	ug/L	07/31/2007 16:34	81818	1	ES
Napropamide	15299-99-7	0.56	U		0.048	0.50	0.053	ug/L	07/31/2007 16:34	81818	1	ES
Norflurazon	27314-13-2	0.56	U		0.061	0.50	0.068	ug/L	07/31/2007 16:34	81818	1	ES
PCB 1	2051-60-7	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
PCB 154	60145-22-4	0.22	U		0.044	0.20	0.049	ug/L	07/31/2007 16:34	81818	1	ES
PCB 171	52663-71-5	0.22	U		0.15	0.20	0.17	ug/L	07/31/2007 16:34	81818	1	ES
PCB 201	40186-71-8	0.22	U		0.068	0.20	0.076	ug/L	07/31/2007 16:34	81818	1	ES
PCB 29	15862-07-4	0.22	U		0.10	0.20	0.11	ug/L	07/31/2007 16:34	81818	1	ES
PCB 47	2437-79-8	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
PCB 5	16605-91-7	0.22	U		0.025	0.20	0.028	ug/L	07/31/2007 16:34	81818	1	ES
PCB 98	60233-25-2	0.22	U		0.032	0.20	0.036	ug/L	07/31/2007 16:34	81818	1	ES
Pebulate	1114-71-2	0.22	U		0.10	0.20	0.11	ug/L	07/31/2007 16:34	81818	1	ES

Analytical Data

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Job Number: 680-28701-1
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Client Sample ID: GW-29

Lab Sample ID: 680-28701-13
Client Matrix: Water

Date Sampled: 07/25/2007 12:18
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TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Phenanthrene	85-01-8	0.22	U		0.025	0.20	0.028	ug/L	07/31/2007 16:34	81818	1	ES
Pronamide	23950-58-5	0.22	U		0.032	0.20	0.036	ug/L	07/31/2007 16:34	81818	1	ES
Propachlor	1918-16-7	0.22	U		0.040	0.20	0.044	ug/L	07/31/2007 16:34	81818	1	ES
Propazine	139-40-2	0.22	U		0.050	0.20	0.056	ug/L	07/31/2007 16:34	81818	1	ES
Pyrene	129-00-0	0.22	U		0.033	0.20	0.037	ug/L	07/31/2007 16:34	81818	1	ES
Simazine	122-34-9	0.56	U		0.076	0.50	0.084	ug/L	07/31/2007 16:34	81818	1	ES
Terbacil	5902-51-2	0.56	U		0.047	0.50	0.052	ug/L	07/31/2007 16:34	81818	1	ES
Tetrachlorvinphos (Stirophos)	961-11-5	0.56	U		0.081	0.50	0.090	ug/L	07/31/2007 16:34	81818	1	ES
Tetraphthalic acid, tetrachloro-, dimethyl ester	1861-32-1	0.22	U		0.031	0.20	0.034	ug/L	07/31/2007 16:34	81818	1	ES
trans-Nonachlor	39765-80-5	0.56	U		0.048	0.50	0.053	ug/L	07/31/2007 16:34	81818	1	ES
trans-Permethrin	51877-74-8	0.56	U		0.10	0.50	0.11	ug/L	07/31/2007 16:34	81818	1	ES
Triadimefon	43121-43-3	1.1	U		0.042	1.0	0.047	ug/L	07/31/2007 16:34	81818	1	ES
Tricyclazole	41814-78-2	1.7	U		0.50	1.5	0.56	ug/L	07/31/2007 16:34	81818	1	ES
Trifluralin	1582-09-8	0.22	U		0.042	0.20	0.047	ug/L	07/31/2007 16:34	81818	1	ES
Vernolate	1929-77-7	0.22	U		0.066	0.20	0.073	ug/L	07/31/2007 16:34	81818	1	ES

Surrogates

Test Method	CAS Number	QC	Dilution	Result	True Value	% Rec.	QC Limits	QC Flag	Prep Batch	Instrument	Analysis Date/Time	Analyst
2-Nitro-m-xylene	81-20-9		1	5.4	5.56	98	70-130		81520	MSR	7/31/2007 4:34:00PM	ES
Perylene-d12	1520-96-3		1	5.1	5.56	92	70-130		81520	MSR	7/31/2007 4:34:00PM	ES
Triphenylphosphate	115-86-6		1	5.5	5.56	100	70-130		81520	MSR	7/31/2007 4:34:00PM	ES

Form I

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-29

Lab Sample ID: 680-28701-13 RA
Client Matrix: Water

Date Sampled: 07/25/2007 12:18
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/28/2007 10:24	81784	1	SS
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/26/2007 18:01	82825	10	SS
Method: EPA 200.7 Rev 4.4,Water												
Iron	7439-89-6	29	J		26	50	26	ug/L	07/31/2007 18:19	81784	1	BB
Method: EPA 200.8,Water												
Aluminum	7429-90-5	100	U		4.5	10	45	ug/L	08/10/2007 22:49	82825	10	CE
Antimony	7440-36-0	5.0	U		0.082	0.50	0.82	ug/L	08/10/2007 22:49	82825	10	CE
Arsenic J-ICS-U	7440-38-2	5.5	J		0.32	1.0	3.2	ug/L	08/10/2007 22:49	82825	10	CE
Barium	7440-39-3	57			0.52	2.0	5.2	ug/L	08/10/2007 22:49	82825	10	CE
Cadmium	7440-43-9	1.0	U		0.058	0.10	0.58	ug/L	08/10/2007 22:49	82825	10	CE
Chromium J-ICS-U	7440-47-3	39			0.24	1.0	2.4	ug/L	08/10/2007 22:49	82825	10	CE
Copper J-FD	7440-50-8	7.6	J		0.26	1.0	2.6	ug/L	08/10/2007 22:49	82825	10	CE
Lead UJ-FD	7439-92-1	3.0	U		0.054	0.30	0.54	ug/L	08/10/2007 22:49	82825	10	CE
Manganese	7439-96-5	20	U		0.78	2.0	7.8	ug/L	08/10/2007 22:49	82825	10	CE
Mercury	7439-97-6	1.0	U		0.044	0.10	0.44	ug/L	08/10/2007 22:49	82825	10	CE
Nickel J-FD	7440-02-0	0.56	J		0.050	0.20	0.50	ug/L	08/10/2007 22:49	82825	10	CE
Selenium	7782-49-2	8.7			0.16	0.50	1.6	ug/L	08/10/2007 22:49	82825	10	CE
Silver	7440-22-4	10	U		0.34	1.0	3.4	ug/L	08/10/2007 22:49	82825	10	CE
Thallium	7440-28-0	2.0	U		0.096	0.20	0.96	ug/L	08/10/2007 22:49	82825	10	CE
Zinc J-MS-L	7440-66-6	200	U		4.3	20	43	ug/L	08/10/2007 22:49	82825	10	CE

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/28/2007 10:24	81784	1	SS
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/26/2007 18:01	82825	10	SS
Method: EPA 525.2,Water												
Determination of Semivolatile Organic Compounds in Drinking Water by GCMS/Prep	NA	Complete						NA	07/30/2007 10:25	81818	1	GJ
Method: EPA 200.7 Rev 4.4,Water												
Iron	7439-89-6	50	U		26	50	26	ug/L	07/31/2007 18:24	81784	1	BB
Method: EPA 200.8,Water												
Beryllium	7440-41-7	4.0	U		0.12	0.40	1.2	ug/L	07/30/2007 3:03	82825	10	CE
Method: EPA 524.2,Water												
1,1,1,2-Tetrachloroethane	630-20-6	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:00	81845	1	EH
1,1,1-Trichloroethane	71-55-6	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:00	81845	1	EH
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:00	81845	1	EH
1,1,2-Trichloroethane	79-00-5	0.50	U		0.25	0.50	0.25	ug/L	07/31/2007 21:00	81845	1	EH
1,1-Dichloroethane	75-34-3	0.50	U		0.23	0.50	0.23	ug/L	07/31/2007 21:00	81845	1	EH
1,1-Dichloroethene	75-35-4	0.50	U		0.24	0.50	0.24	ug/L	07/31/2007 21:00	81845	1	EH
1,1-Dichloropropene	563-58-6	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
1,2,3-Trichlorobenzene	87-61-6	0.50	U		0.12	0.50	0.12	ug/L	07/31/2007 21:00	81845	1	EH
1,2,3-Trichloropropane	96-18-4	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:00	81845	1	EH
1,2,4-Trichlorobenzene	120-82-1	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 21:00	81845	1	EH
1,2,4-Trimethylbenzene	95-63-6	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
1,2-Dibromo-3-Chloropropane	96-12-8	0.50	U		0.29	0.50	0.29	ug/L	07/31/2007 21:00	81845	1	EH

Form I

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
1,2-Dichlorobenzene	95-50-1	0.50	U		0.23	0.50	0.23	ug/L	07/31/2007 21:00	81845	1	EH
1,2-Dichloroethane	107-06-2	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
1,2-Dichloropropane	78-87-5	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:00	81845	1	EH
1,3,5-Trimethylbenzene	108-67-8	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
1,3-Dichlorobenzene	541-73-1	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
1,3-Dichloropropane	142-28-9	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
1,4-Dichlorobenzene U-RB	106-46-7	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
2,2-Dichloropropane	594-20-7	0.50	U		0.33	0.50	0.33	ug/L	07/31/2007 21:00	81845	1	EH
2-Chlorotoluene	95-49-8	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:00	81845	1	EH
4-Chlorotoluene	106-43-4	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:00	81845	1	EH
4-Isopropyltoluene	99-87-6	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:00	81845	1	EH
Benzene	71-43-2	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
Bromobenzene	108-86-1	0.50	U		0.13	0.50	0.13	ug/L	07/31/2007 21:00	81845	1	EH
Bromoform	75-25-2	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
Bromomethane	74-83-9	1.0	U		0.49	1.0	0.49	ug/L	07/31/2007 21:00	81845	1	EH
Carbon tetrachloride	56-23-5	0.50	U		0.38	0.50	0.38	ug/L	07/31/2007 21:00	81845	1	EH
Chlorobenzene	108-90-7	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
Chlorobromomethane	74-97-5	0.50	U		0.27	0.50	0.27	ug/L	07/31/2007 21:00	81845	1	EH
Chlorodibromomethane	124-48-1	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:00	81845	1	EH
Chloroethane	75-00-3	1.0	U		0.36	1.0	0.36	ug/L	07/31/2007 21:00	81845	1	EH
Chloroform	67-66-3	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:00	81845	1	EH
Chloromethane UJ-ICAL-1	74-87-3	0.50	U		0.31	0.50	0.31	ug/L	07/31/2007 21:00	81845	1	EH
cis-1,2-Dichloroethene	156-59-2	0.50	U		0.25	0.50	0.25	ug/L	07/31/2007 21:00	81845	1	EH
cis-1,3-Dichloropropene	10061-01-5	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:00	81845	1	EH
Dibromomethane	74-95-3	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:00	81845	1	EH
Dichlorobromomethane	75-27-4	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
Dichlorodifluoromethane	75-71-8	0.50	U		0.46	0.50	0.46	ug/L	07/31/2007 21:00	81845	1	EH
Ethylbenzene	100-41-4	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:00	81845	1	EH

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Ethylene Dibromide	106-93-4	0.50	U		0.27	0.50	0.27	ug/L	07/31/2007 21:00	81845	1	EH
Hexachlorobutadiene	87-68-3	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:00	81845	1	EH
Isopropylbenzene	98-82-8	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:00	81845	1	EH
m-Xylene & p-Xylene	136777-61-2	0.50	U		0.34	0.50	0.34	ug/L	07/31/2007 21:00	81845	1	EH
Methyl tert-butyl ether	1634-04-4	0.14	J		0.13	0.50	0.13	ug/L	07/31/2007 21:00	81845	1	EH
Methylene Chloride	75-09-2	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:00	81845	1	EH
n-Butylbenzene	104-51-8	0.50	U		0.14	0.50	0.14	ug/L	07/31/2007 21:00	81845	1	EH
N-Propylbenzene	103-65-1	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:00	81845	1	EH
Naphthalene	91-20-3	1.0	U		0.13	1.0	0.13	ug/L	07/31/2007 21:00	81845	1	EH
o-Xylene	95-47-6	0.50	U		0.11	0.50	0.11	ug/L	07/31/2007 21:00	81845	1	EH
sec-Butylbenzene	135-98-8	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
Styrene	100-42-5	0.50	U		0.30	0.50	0.30	ug/L	07/31/2007 21:00	81845	1	EH
tert-Butylbenzene	98-06-6	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:00	81845	1	EH
Tetrachloroethene	127-18-4	0.60			0.22	0.50	0.22	ug/L	07/31/2007 21:00	81845	1	EH
Toluene	108-88-3	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:00	81845	1	EH
trans-1,2-Dichloroethene	156-60-5	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:00	81845	1	EH
trans-1,3-Dichloropropene	10061-02-6	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:00	81845	1	EH
Trichloroethene	79-01-6	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:00	81845	1	EH
Trichlorofluoromethane	75-69-4	0.50	U		0.31	0.50	0.31	ug/L	07/31/2007 21:00	81845	1	EH
Vinyl chloride	75-01-4	0.50	U		0.29	0.50	0.29	ug/L	07/31/2007 21:00	81845	1	EH
Xylenes, Total	1330-20-7	0.50	U		0.44	0.50	0.44	ug/L	07/31/2007 21:00	81845	1	EH

Surrogates

Test Method	CAS Number	QC	Dilution	Result	True Value	% Rec.	QC Limits	QC Flag	Prep Batch	Instrument	Analysis Date/Time	Analyst
1,2-Dichlorobenzene-d4	2199-69-1		1	9.3	10.0	93	70-130			MSU	7/31/2007 9:00:00PM	EH
4-Bromofluorobenzene	460-00-4		1	8.7	10.0	87	70-130			MSU	7/31/2007 9:00:00PM	EH

Form I

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 525.2,Water												
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	1897-45-6	0.20	U		0.090	0.20	0.090	ug/L	07/31/2007 14:41	81818	1	ES
2,4-Dinitrotoluene	121-14-2	0.75	U	*	0.25	0.75	0.25	ug/L	07/31/2007 14:41	81818	1	ES
2,6-Dinitrotoluene	606-20-2	0.75	U	*	0.25	0.75	0.25	ug/L	07/31/2007 14:41	81818	1	ES
4,4'-DDD	72-54-8	0.50	U		0.044	0.50	0.044	ug/L	07/31/2007 14:41	81818	1	ES
4,4'-DDE	72-55-9	0.20	U		0.052	0.20	0.052	ug/L	07/31/2007 14:41	81818	1	ES
4,4'-DDT	50-29-3	0.50	U		0.045	0.50	0.045	ug/L	07/31/2007 14:41	81818	1	ES
Acenaphthylene	208-96-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 14:41	81818	1	ES
Acetochlor	34256-82-1	0.50	U		0.058	0.50	0.058	ug/L	07/31/2007 14:41	81818	1	ES
Alachlor	15972-60-8	0.20	U		0.060	0.20	0.060	ug/L	07/31/2007 14:41	81818	1	ES
Aldrin	309-00-2	0.20	U		0.052	0.20	0.052	ug/L	07/31/2007 14:41	81818	1	ES
alpha-BHC	319-84-6	0.20	U		0.035	0.20	0.035	ug/L	07/31/2007 14:41	81818	1	ES
alpha-Chlordane	5103-71-9	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
Anthracene UJ-LCS-L	120-12-7	0.20	U	*	0.034	0.20	0.034	ug/L	07/31/2007 14:41	81818	1	ES
Atrazine	1912-24-9	0.20	U		0.043	0.20	0.043	ug/L	07/31/2007 14:41	81818	1	ES
Benzo[a]anthracene	56-55-3	0.20	U		0.028	0.20	0.028	ug/L	07/31/2007 14:41	81818	1	ES
Benzo[a]pyrene	50-32-8	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 14:41	81818	1	ES
Benzo[b]fluoranthene	205-99-2	0.20	U		0.039	0.20	0.039	ug/L	07/31/2007 14:41	81818	1	ES
Benzo[g,h,i]perylene	191-24-2	0.20	U		0.042	0.20	0.042	ug/L	07/31/2007 14:41	81818	1	ES
Benzo[k]fluoranthene	207-08-9	0.20	U		0.044	0.20	0.044	ug/L	07/31/2007 14:41	81818	1	ES
beta-BHC	319-85-7	0.20	U		0.086	0.20	0.086	ug/L	07/31/2007 14:41	81818	1	ES
Bis(2-ethylhexyl) phthalate UJ-FD	117-81-7	2.0	U		0.50	2.0	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Bromacil	314-40-9	0.50	U		0.050	0.50	0.050	ug/L	07/31/2007 14:41	81818	1	ES
Butachlor	23184-66-9	0.50	U		0.065	0.50	0.065	ug/L	07/31/2007 14:41	81818	1	ES
Butyl benzyl phthalate	85-68-7	0.75	U		0.25	0.75	0.25	ug/L	07/31/2007 14:41	81818	1	ES
Butylate	2008-41-5	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 14:41	81818	1	ES
Chloroneb	2675-77-6	0.50	U		0.036	0.50	0.036	ug/L	07/31/2007 14:41	81818	1	ES

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Chlorpropham	101-21-3	0.20	U		0.033	0.20	0.033	ug/L	07/31/2007 14:41	81818	1	ES
Chlorpyrifos	2921-88-2	0.50	U		0.057	0.50	0.057	ug/L	07/31/2007 14:41	81818	1	ES
Chrysene	218-01-9	0.20	U		0.051	0.20	0.051	ug/L	07/31/2007 14:41	81818	1	ES
cis-Permethrin	54774-45-7	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
Cycloate	1134-23-2	0.20	U		0.049	0.20	0.049	ug/L	07/31/2007 14:41	81818	1	ES
delta-BHC	319-86-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 14:41	81818	1	ES
Di(2-ethylhexyl)adipate	103-23-1	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Di-n-butyl phthalate	84-74-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Dibenz(a,h)anthracene	53-70-3	0.20	U		0.035	0.20	0.035	ug/L	07/31/2007 14:41	81818	1	ES
Dichlorvos	62-73-7	0.20	U		0.037	0.20	0.037	ug/L	07/31/2007 14:41	81818	1	ES
Dieldrin	60-57-1	0.50	U		0.080	0.50	0.080	ug/L	07/31/2007 14:41	81818	1	ES
Diethyl phthalate	84-66-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Dimethyl phthalate	131-11-3	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Diphenamid	957-51-7	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 14:41	81818	1	ES
Endosulfan I	959-98-8	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 14:41	81818	1	ES
Endosulfan II	33213-65-9	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 14:41	81818	1	ES
Endosulfan sulfate	1031-07-8	0.50	U		0.13	0.50	0.13	ug/L	07/31/2007 14:41	81818	1	ES
Endrin	72-20-8	0.50	U		0.12	0.50	0.12	ug/L	07/31/2007 14:41	81818	1	ES
Endrin aldehyde	7421-93-4	1.0	U		0.082	1.0	0.082	ug/L	07/31/2007 14:41	81818	1	ES
EPTC	759-94-4	0.20	U		0.048	0.20	0.048	ug/L	07/31/2007 14:41	81818	1	ES
Ethyl 4,4'-Dichlorobenzilate	510-15-6	6.7	U		2.2	6.7	2.2	ug/L	07/31/2007 14:41	81818	1	ES
Etridiazole	2593-15-9	0.20	U		0.046	0.20	0.046	ug/L	07/31/2007 14:41	81818	1	ES
Fenarimol	60168-88-9	1.0	U		1.9	1.0	1.9	ug/L	07/31/2007 14:41	81818	1	ES
Fluorene	86-73-7	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 14:41	81818	1	ES
Fluridone	59756-60-4	0.75	U		0.25	0.75	0.25	ug/L	07/31/2007 14:41	81818	1	ES
gamma-BHC (Lindane)	58-89-9	0.20	U		0.069	0.20	0.069	ug/L	07/31/2007 14:41	81818	1	ES
gamma-Chlordane	5103-74-2	0.20	U		0.077	0.20	0.077	ug/L	07/31/2007 14:41	81818	1	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Heptachlor	76-44-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 14:41	81818	1	ES
Heptachlor epoxide	1024-57-3	0.20	U		0.091	0.20	0.091	ug/L	07/31/2007 14:41	81818	1	ES
Hexachlorobenzene	118-74-1	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 14:41	81818	1	ES
Hexachlorocyclopentadiene	77-47-4	2.0	U		0.056	2.0	0.056	ug/L	07/31/2007 14:41	81818	1	ES
Hexazinone	51235-04-2	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
Indeno[1,2,3-cd]pyrene	193-39-5	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 14:41	81818	1	ES
Isophorone	78-59-1	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 14:41	81818	1	ES
Methoxychlor	72-43-5	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
Methyl paraoxon	950-35-6	0.50	U		0.044	0.50	0.044	ug/L	07/31/2007 14:41	81818	1	ES
Metolachlor	51218-45-2	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 14:41	81818	1	ES
Metribuzin	21087-64-9	0.20	U		0.027	0.20	0.027	ug/L	07/31/2007 14:41	81818	1	ES
Mevinphos	7786-34-7	0.50	U		0.039	0.50	0.039	ug/L	07/31/2007 14:41	81818	1	ES
MGK 264 - isomer a UJ-CCAL-4	113-48-4	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 14:41	81818	1	ES
MGK 264 - isomer b UJ-CCAL-4	113-48-4	0.20	U		0.036	0.20	0.036	ug/L	07/31/2007 14:41	81818	1	ES
Mocap	13194-48-4	0.50	U		0.053	0.50	0.053	ug/L	07/31/2007 14:41	81818	1	ES
Molinate	2212-67-1	0.20	U		0.046	0.20	0.046	ug/L	07/31/2007 14:41	81818	1	ES
Napropamide	15299-99-7	0.50	U		0.048	0.50	0.048	ug/L	07/31/2007 14:41	81818	1	ES
Norflurazon	27314-13-2	0.50	U		0.061	0.50	0.061	ug/L	07/31/2007 14:41	81818	1	ES
PCB 1	2051-60-7	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
PCB 154	60145-22-4	0.20	U		0.044	0.20	0.044	ug/L	07/31/2007 14:41	81818	1	ES
PCB 171	52663-71-5	0.20	U		0.15	0.20	0.15	ug/L	07/31/2007 14:41	81818	1	ES
PCB 201	40186-71-8	0.20	U		0.068	0.20	0.068	ug/L	07/31/2007 14:41	81818	1	ES
PCB 29	15862-07-4	0.20	U		0.10	0.20	0.10	ug/L	07/31/2007 14:41	81818	1	ES
PCB 47	2437-79-8	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
PCB 5	16605-91-7	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 14:41	81818	1	ES
PCB 98	60233-25-2	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 14:41	81818	1	ES
Pebulate	1114-71-2	0.20	U		0.10	0.20	0.10	ug/L	07/31/2007 14:41	81818	1	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Phenanthrene	85-01-8	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 14:41	81818	1	ES
Pronamide	23950-58-5	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 14:41	81818	1	ES
Propachlor	1918-16-7	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 14:41	81818	1	ES
Propazine	139-40-2	0.20	U		0.050	0.20	0.050	ug/L	07/31/2007 14:41	81818	1	ES
Pyrene	129-00-0	0.20	U		0.033	0.20	0.033	ug/L	07/31/2007 14:41	81818	1	ES
Simazine	122-34-9	0.50	U		0.076	0.50	0.076	ug/L	07/31/2007 14:41	81818	1	ES
Terbacil	5902-51-2	0.50	U		0.047	0.50	0.047	ug/L	07/31/2007 14:41	81818	1	ES
Tetrachlorvinphos (Stirophos)	961-11-5	0.50	U		0.081	0.50	0.081	ug/L	07/31/2007 14:41	81818	1	ES
Tetraphthalic acid, tetrachloro-, dimethyl ester	1861-32-1	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 14:41	81818	1	ES
trans-Nonachlor	39765-80-5	0.50	U		0.048	0.50	0.048	ug/L	07/31/2007 14:41	81818	1	ES
trans-Permethrin	51877-74-8	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 14:41	81818	1	ES
Triadimefon	43121-43-3	1.0	U		0.042	1.0	0.042	ug/L	07/31/2007 14:41	81818	1	ES
Tricyclazole	41814-78-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 14:41	81818	1	ES
Trifluralin	1582-09-8	0.20	U		0.042	0.20	0.042	ug/L	07/31/2007 14:41	81818	1	ES
Vernolate	1929-77-7	0.20	U		0.066	0.20	0.066	ug/L	07/31/2007 14:41	81818	1	ES

Surrogates

Test Method	CAS Number	QC	Dilution	Result	True Value	% Rec.	QC Limits	QC Flag	Prep Batch	Instrument	Analysis Date/Time	Analyst
2-Nitro-m-xylene	81-20-9		1	5.7	5.00	114	70-130		81520	MSR	7/31/2007 2:41:00PM	ES
Perylene-d12	1520-96-3		1	4.4	5.00	88	70-130		81520	MSR	7/31/2007 2:41:00PM	ES
Triphenylphosphate	115-86-6		1	5.1	5.00	103	70-130		81520	MSR	7/31/2007 2:41:00PM	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14 DIL
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/28/2007 10:24	81784	20	SS
Method: EPA 200.7 Rev 4.4,Water												
Sodium	7440-23-5	920000			410	1000	8200	ug/L	08/01/2007 10:39	81784	20	BB

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-41

Lab Sample ID: 680-28701-14 RA
Client Matrix: Water

Date Sampled: 07/25/2007 14:22
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/26/2007 18:01	82825	10	SS
Method: EPA 200.8,Water												
Aluminum	7429-90-5	100	U		4.5	10	45	ug/L	08/10/2007 23:09	82825	10	CE
Antimony	7440-36-0	1.3	J		0.082	0.50	0.82	ug/L	08/10/2007 23:09	82825	10	CE
Arsenic J-ICS-H	7440-38-2	3.3	J		0.32	1.0	3.2	ug/L	08/10/2007 23:09	82825	10	CE
Barium	7440-39-3	68			0.52	2.0	5.2	ug/L	08/10/2007 23:09	82825	10	CE
Cadmium	7440-43-9	1.0	U		0.058	0.10	0.58	ug/L	08/10/2007 23:09	82825	10	CE
Chromium	7440-47-3	10	U		0.24	1.0	2.4	ug/L	08/10/2007 23:09	82825	10	CE
Copper U J-FD	7440-50-8	10	U		0.26	1.0	2.6	ug/L	08/10/2007 23:09	82825	10	CE
Lead J-FD	7439-92-1	0.75	J		0.054	0.30	0.54	ug/L	08/10/2007 23:09	82825	10	CE
Manganese	7439-96-5	250			0.78	2.0	7.8	ug/L	08/10/2007 23:09	82825	10	CE
Mercury	7439-97-6	1.0	U		0.044	0.10	0.44	ug/L	08/10/2007 23:09	82825	10	CE
Nickel J-FD	7440-02-0	3.8			0.050	0.20	0.50	ug/L	08/10/2007 23:09	82825	10	CE
Selenium	7782-49-2	13			0.16	0.50	1.6	ug/L	08/10/2007 23:09	82825	10	CE
Silver	7440-22-4	10	U		0.34	1.0	3.4	ug/L	08/10/2007 23:09	82825	10	CE
Thallium	7440-28-0	2.0	U		0.096	0.20	0.96	ug/L	08/10/2007 23:09	82825	10	CE
Zinc J-MS-L	7440-66-6	200	U		4.3	20	43	ug/L	08/10/2007 23:09	82825	10	CE

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/28/2007 10:24	81784	1	SS
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/26/2007 18:01	82825	10	SS
Method: EPA 525.2,Water												
Determination of Semivolatile Organic Compounds in Drinking Water by GCMS/Prep	NA	Complete						NA	07/30/2007 10:25	81818	1	GJ
Method: EPA 200.7 Rev 4.4,Water												
Iron	7439-89-6	660			26	50	26	ug/L	07/31/2007 18:28	81784	1	BB
Method: EPA 200.8,Water												
Beryllium	7440-41-7	4.0	U		0.12	0.40	1.2	ug/L	07/30/2007 3:22	82825	10	CE
Method: EPA 524.2,Water												
1,1,1,2-Tetrachloroethane	630-20-6	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:20	81845	1	EH
1,1,1-Trichloroethane	71-55-6	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:20	81845	1	EH
1,1,2,2-Tetrachloroethane	79-34-5	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:20	81845	1	EH
1,1,2-Trichloroethane	79-00-5	0.50	U		0.25	0.50	0.25	ug/L	07/31/2007 21:20	81845	1	EH
1,1-Dichloroethane	75-34-3	0.50	U		0.23	0.50	0.23	ug/L	07/31/2007 21:20	81845	1	EH
1,1-Dichloroethene	75-35-4	0.50	U		0.24	0.50	0.24	ug/L	07/31/2007 21:20	81845	1	EH
1,1-Dichloropropene	563-58-6	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
1,2,3-Trichlorobenzene	87-61-6	0.50	U		0.12	0.50	0.12	ug/L	07/31/2007 21:20	81845	1	EH
1,2,3-Trichloropropane	96-18-4	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:20	81845	1	EH
1,2,4-Trichlorobenzene	120-82-1	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 21:20	81845	1	EH
1,2,4-Trimethylbenzene	95-63-6	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
1,2-Dibromo-3-Chloropropane	96-12-8	0.50	U		0.29	0.50	0.29	ug/L	07/31/2007 21:20	81845	1	EH

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
1,2-Dichlorobenzene	95-50-1	0.50	U		0.23	0.50	0.23	ug/L	07/31/2007 21:20	81845	1	EH
1,2-Dichloroethane	107-06-2	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
1,2-Dichloropropane	78-87-5	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:20	81845	1	EH
1,3,5-Trimethylbenzene	108-67-8	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
1,3-Dichlorobenzene	541-73-1	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
1,3-Dichloropropane	142-28-9	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
1,4-Dichlorobenzene Li-RB	106-46-7	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
2,2-Dichloropropane	594-20-7	0.50	U		0.33	0.50	0.33	ug/L	07/31/2007 21:20	81845	1	EH
2-Chlorotoluene	95-49-8	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:20	81845	1	EH
4-Chlorotoluene	106-43-4	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:20	81845	1	EH
4-Isopropyltoluene	99-87-6	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:20	81845	1	EH
Benzene	71-43-2	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
Bromobenzene	108-86-1	0.50	U		0.13	0.50	0.13	ug/L	07/31/2007 21:20	81845	1	EH
Bromoform	75-25-2	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
Bromomethane	74-83-9	1.0	U		0.49	1.0	0.49	ug/L	07/31/2007 21:20	81845	1	EH
Carbon tetrachloride	56-23-5	0.50	U		0.38	0.50	0.38	ug/L	07/31/2007 21:20	81845	1	EH
Chlorobenzene	108-90-7	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
Chlorobromomethane	74-97-5	0.50	U		0.27	0.50	0.27	ug/L	07/31/2007 21:20	81845	1	EH
Chlorodibromomethane	124-48-1	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:20	81845	1	EH
Chloroethane	75-00-3	1.0	U		0.36	1.0	0.36	ug/L	07/31/2007 21:20	81845	1	EH
Chloroform	67-66-3	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:20	81845	1	EH
Chloromethane UJ-ICAL-1	74-87-3	0.50	U		0.31	0.50	0.31	ug/L	07/31/2007 21:20	81845	1	EH
cis-1,2-Dichloroethene	156-59-2	0.50	U		0.25	0.50	0.25	ug/L	07/31/2007 21:20	81845	1	EH
cis-1,3-Dichloropropene	10061-01-5	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 21:20	81845	1	EH
Dibromomethane	74-95-3	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:20	81845	1	EH
Dichlorobromomethane	75-27-4	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
Dichlorodifluoromethane	75-71-8	0.50	U		0.46	0.50	0.46	ug/L	07/31/2007 21:20	81845	1	EH
Ethylbenzene	100-41-4	0.50	U		0.18	0.50	0.18	ug/L	07/31/2007 21:20	81845	1	EH

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Ethylene Dibromide	106-93-4	0.50	U		0.27	0.50	0.27	ug/L	07/31/2007 21:20	81845	1	EH
Hexachlorobutadiene	87-68-3	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:20	81845	1	EH
Isopropylbenzene	98-82-8	0.50	U		0.15	0.50	0.15	ug/L	07/31/2007 21:20	81845	1	EH
m-Xylene & p-Xylene	136777-61-2	0.50	U		0.34	0.50	0.34	ug/L	07/31/2007 21:20	81845	1	EH
Methyl tert-butyl ether	1634-04-4	0.15	J		0.13	0.50	0.13	ug/L	07/31/2007 21:20	81845	1	EH
Methylene Chloride	75-09-2	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:20	81845	1	EH
n-Butylbenzene	104-51-8	0.50	U		0.14	0.50	0.14	ug/L	07/31/2007 21:20	81845	1	EH
N-Propylbenzene	103-65-1	0.50	U		0.19	0.50	0.19	ug/L	07/31/2007 21:20	81845	1	EH
Naphthalene	91-20-3	1.0	U		0.13	1.0	0.13	ug/L	07/31/2007 21:20	81845	1	EH
o-Xylene	95-47-6	0.50	U		0.11	0.50	0.11	ug/L	07/31/2007 21:20	81845	1	EH
sec-Butylbenzene	135-98-8	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
Styrene	100-42-5	0.50	U		0.30	0.50	0.30	ug/L	07/31/2007 21:20	81845	1	EH
tert-Butylbenzene	98-06-6	0.50	U		0.17	0.50	0.17	ug/L	07/31/2007 21:20	81845	1	EH
Tetrachloroethene	127-18-4	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:20	81845	1	EH
Toluene	108-88-3	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:20	81845	1	EH
trans-1,2-Dichloroethene	156-60-5	0.50	U		0.22	0.50	0.22	ug/L	07/31/2007 21:20	81845	1	EH
trans-1,3-Dichloropropene	10061-02-6	0.50	U		0.21	0.50	0.21	ug/L	07/31/2007 21:20	81845	1	EH
Trichloroethene	79-01-6	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 21:20	81845	1	EH
Trichlorofluoromethane	75-69-4	0.50	U		0.31	0.50	0.31	ug/L	07/31/2007 21:20	81845	1	EH
Vinyl chloride	75-01-4	0.50	U		0.29	0.50	0.29	ug/L	07/31/2007 21:20	81845	1	EH
Xylenes, Total	1330-20-7	0.50	U		0.44	0.50	0.44	ug/L	07/31/2007 21:20	81845	1	EH

Surrogates

Test Method	CAS Number	QC	Dilution	Result	True Value	% Rec.	QC Limits	QC Flag	Prep Batch	Instrument	Analysis Date/Time	Analyst
1,2-Dichlorobenzene-d4	2199-69-1		1	9.1	10.0	91	70-130			MSU	7/31/2007 9:20:00PM	EH
4-Bromofluorobenzene	460-00-4		1	9.0	10.0	90	70-130			MSU	7/31/2007 9:20:00PM	EH

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 525.2,Water												
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	1897-45-6	0.20	U		0.090	0.20	0.090	ug/L	07/31/2007 15:03	81818	1	ES
2,4-Dinitrotoluene	121-14-2	0.75	U	*	0.25	0.75	0.25	ug/L	07/31/2007 15:03	81818	1	ES
2,6-Dinitrotoluene	606-20-2	0.75	U	*	0.25	0.75	0.25	ug/L	07/31/2007 15:03	81818	1	ES
4,4'-DDD	72-54-8	0.50	U		0.044	0.50	0.044	ug/L	07/31/2007 15:03	81818	1	ES
4,4'-DDE	72-55-9	0.20	U		0.052	0.20	0.052	ug/L	07/31/2007 15:03	81818	1	ES
4,4'-DDT	50-29-3	0.50	U		0.045	0.50	0.045	ug/L	07/31/2007 15:03	81818	1	ES
Acenaphthylene	208-96-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 15:03	81818	1	ES
Acetochlor	34256-82-1	0.50	U		0.058	0.50	0.058	ug/L	07/31/2007 15:03	81818	1	ES
Alachlor	15972-60-8	0.20	U		0.060	0.20	0.060	ug/L	07/31/2007 15:03	81818	1	ES
Aldrin	309-00-2	0.20	U		0.052	0.20	0.052	ug/L	07/31/2007 15:03	81818	1	ES
alpha-BHC	319-84-6	0.20	U		0.035	0.20	0.035	ug/L	07/31/2007 15:03	81818	1	ES
alpha-Chlordane	5103-71-9	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
Anthracene UJ-LCS-L	120-12-7	0.20	U	*	0.034	0.20	0.034	ug/L	07/31/2007 15:03	81818	1	ES
Atrazine	1912-24-9	0.20	U		0.043	0.20	0.043	ug/L	07/31/2007 15:03	81818	1	ES
Benzo[a]anthracene	56-55-3	0.20	U		0.028	0.20	0.028	ug/L	07/31/2007 15:03	81818	1	ES
Benzo[a]pyrene UJ-15-14	50-32-8	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 15:03	81818	1	ES
Benzo[b]fluoranthene UJ-15-14	205-99-2	0.20	U		0.039	0.20	0.039	ug/L	07/31/2007 15:03	81818	1	ES
Benzo[g,h,i]perylene UJ-15-14	191-24-2	0.20	U		0.042	0.20	0.042	ug/L	07/31/2007 15:03	81818	1	ES
Benzo[k]fluoranthene UJ-15-14	207-08-9	0.20	U		0.044	0.20	0.044	ug/L	07/31/2007 15:03	81818	1	ES
beta-BHC	319-85-7	0.20	U		0.086	0.20	0.086	ug/L	07/31/2007 15:03	81818	1	ES
Bis(2-ethylhexyl) phthalate UJ-FB	117-81-7	2.0	U		0.50	2.0	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Bromacil	314-40-9	0.50	U		0.050	0.50	0.050	ug/L	07/31/2007 15:03	81818	1	ES
Butachlor	23184-66-9	0.50	U		0.065	0.50	0.065	ug/L	07/31/2007 15:03	81818	1	ES
Butyl benzyl phthalate	85-68-7	0.75	U		0.25	0.75	0.25	ug/L	07/31/2007 15:03	81818	1	ES
Butylate	2008-41-5	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 15:03	81818	1	ES
Chloroneb	2675-77-6	0.50	U		0.036	0.50	0.036	ug/L	07/31/2007 15:03	81818	1	ES

Form I

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Chlorpropham	101-21-3	0.20	U		0.033	0.20	0.033	ug/L	07/31/2007 15:03	81818	1	ES
Chlorpyrifos	2921-88-2	0.50	U		0.057	0.50	0.057	ug/L	07/31/2007 15:03	81818	1	ES
Chrysene UJ-15-H	218-01-9	0.20	U		0.051	0.20	0.051	ug/L	07/31/2007 15:03	81818	1	ES
cis-Permethrin UJ-15-H	54774-45-7	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
Cycloate	1134-23-2	0.20	U		0.049	0.20	0.049	ug/L	07/31/2007 15:03	81818	1	ES
delta-BHC	319-86-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 15:03	81818	1	ES
Di(2-ethylhexyl)adipate	103-23-1	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Di-n-butyl phthalate	84-74-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Dibenz(a,h)anthracene UJ-15-H	53-70-3	0.20	U		0.035	0.20	0.035	ug/L	07/31/2007 15:03	81818	1	ES
Dichlorvos	62-73-7	0.20	U		0.037	0.20	0.037	ug/L	07/31/2007 15:03	81818	1	ES
Dieldrin	60-57-1	0.50	U		0.080	0.50	0.080	ug/L	07/31/2007 15:03	81818	1	ES
Diethyl phthalate	84-66-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Dimethyl phthalate	131-11-3	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Diphenamid	957-51-7	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 15:03	81818	1	ES
Endosulfan I	959-98-8	0.50	U		0.20	0.50	0.20	ug/L	07/31/2007 15:03	81818	1	ES
Endosulfan II	33213-65-9	0.50	U		0.16	0.50	0.16	ug/L	07/31/2007 15:03	81818	1	ES
Endosulfan sulfate	1031-07-8	0.50	U		0.13	0.50	0.13	ug/L	07/31/2007 15:03	81818	1	ES
Endrin	72-20-8	0.50	U		0.12	0.50	0.12	ug/L	07/31/2007 15:03	81818	1	ES
Endrin aldehyde	7421-93-4	1.0	U		0.082	1.0	0.082	ug/L	07/31/2007 15:03	81818	1	ES
EPTC	759-94-4	0.20	U		0.048	0.20	0.048	ug/L	07/31/2007 15:03	81818	1	ES
Ethyl 4,4'-Dichlorobenzilate	510-15-6	6.7	U		2.2	6.7	2.2	ug/L	07/31/2007 15:03	81818	1	ES
Etridiazole	2593-15-9	0.20	U		0.046	0.20	0.046	ug/L	07/31/2007 15:03	81818	1	ES
Fenarimol UJ-15-H	60168-88-9	1.0	U		1.9	1.0	1.9	ug/L	07/31/2007 15:03	81818	1	ES
Fluorene	86-73-7	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 15:03	81818	1	ES
Fluridone UJ-15-H	59756-60-4	0.75	U		0.25	0.75	0.25	ug/L	07/31/2007 15:03	81818	1	ES
gamma-BHC (Lindane)	58-89-9	0.20	U		0.069	0.20	0.069	ug/L	07/31/2007 15:03	81818	1	ES
gamma-Chlordane	5103-74-2	0.20	U		0.077	0.20	0.077	ug/L	07/31/2007 15:03	81818	1	ES

Form I

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Heptachlor	76-44-8	0.20	U		0.038	0.20	0.038	ug/L	07/31/2007 15:03	81818	1	ES
Heptachlor epoxide	1024-57-3	0.20	U		0.091	0.20	0.091	ug/L	07/31/2007 15:03	81818	1	ES
Hexachlorobenzene	118-74-1	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 15:03	81818	1	ES
Hexachlorocyclopentadiene	77-47-4	2.0	U		0.056	2.0	0.056	ug/L	07/31/2007 15:03	81818	1	ES
Hexazinone	51235-04-2	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
Indeno[1,2,3-cd]pyrene UJ-IS-H	193-39-5	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 15:03	81818	1	ES
Isophorone	78-59-1	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 15:03	81818	1	ES
Methoxychlor UJ-IS-H	72-43-5	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
Methyl paraoxon	950-35-6	0.50	U		0.044	0.50	0.044	ug/L	07/31/2007 15:03	81818	1	ES
Metolachlor	51218-45-2	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 15:03	81818	1	ES
Metribuzin	21087-64-9	0.20	U		0.027	0.20	0.027	ug/L	07/31/2007 15:03	81818	1	ES
Mevinphos	7786-34-7	0.50	U		0.039	0.50	0.039	ug/L	07/31/2007 15:03	81818	1	ES
MGK 264 - isomer a UJ-CCAL-L	113-48-4	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 15:03	81818	1	ES
MGK 264 - isomer b UJ-CCAL-L	113-48-4	0.20	U		0.036	0.20	0.036	ug/L	07/31/2007 15:03	81818	1	ES
Mocap	13194-48-4	0.50	U		0.053	0.50	0.053	ug/L	07/31/2007 15:03	81818	1	ES
Molinate	2212-67-1	0.20	U		0.046	0.20	0.046	ug/L	07/31/2007 15:03	81818	1	ES
Napropamide	15299-99-7	0.50	U		0.048	0.50	0.048	ug/L	07/31/2007 15:03	81818	1	ES
Norflurazon	27314-13-2	0.50	U		0.061	0.50	0.061	ug/L	07/31/2007 15:03	81818	1	ES
PCB 1	2051-60-7	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
PCB 154	60145-22-4	0.20	U		0.044	0.20	0.044	ug/L	07/31/2007 15:03	81818	1	ES
PCB 171	52663-71-5	0.20	U		0.15	0.20	0.15	ug/L	07/31/2007 15:03	81818	1	ES
PCB 201	40186-71-8	0.20	U		0.068	0.20	0.068	ug/L	07/31/2007 15:03	81818	1	ES
PCB 29	15862-07-4	0.20	U		0.10	0.20	0.10	ug/L	07/31/2007 15:03	81818	1	ES
PCB 47	2437-79-8	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
PCB 5	16605-91-7	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 15:03	81818	1	ES
PCB 98	60233-25-2	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 15:03	81818	1	ES
Pebulate	1114-71-2	0.20	U		0.10	0.20	0.10	ug/L	07/31/2007 15:03	81818	1	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Phenanthrene	85-01-8	0.20	U		0.025	0.20	0.025	ug/L	07/31/2007 15:03	81818	1	ES
Pronamide	23950-58-5	0.20	U		0.032	0.20	0.032	ug/L	07/31/2007 15:03	81818	1	ES
Propachlor	1918-16-7	0.20	U		0.040	0.20	0.040	ug/L	07/31/2007 15:03	81818	1	ES
Propazine	139-40-2	0.20	U		0.050	0.20	0.050	ug/L	07/31/2007 15:03	81818	1	ES
Pyrene	129-00-0	0.20	U		0.033	0.20	0.033	ug/L	07/31/2007 15:03	81818	1	ES
Simazine	122-34-9	0.50	U		0.076	0.50	0.076	ug/L	07/31/2007 15:03	81818	1	ES
Terbacil	5902-51-2	0.50	U		0.047	0.50	0.047	ug/L	07/31/2007 15:03	81818	1	ES
Tetrachlorvinphos (Stirophos)	961-11-5	0.50	U		0.081	0.50	0.081	ug/L	07/31/2007 15:03	81818	1	ES
Tetraphthalic acid, tetrachloro-, dimethyl ester	1861-32-1	0.20	U		0.031	0.20	0.031	ug/L	07/31/2007 15:03	81818	1	ES
trans-Nonachlor	39765-80-5	0.50	U		0.048	0.50	0.048	ug/L	07/31/2007 15:03	81818	1	ES
trans-Permethrin UJ-JS-H	51877-74-8	0.50	U		0.10	0.50	0.10	ug/L	07/31/2007 15:03	81818	1	ES
Triadimefon	43121-43-3	1.0	U		0.042	1.0	0.042	ug/L	07/31/2007 15:03	81818	1	ES
Tricyclazole	41814-78-2	1.5	U		0.50	1.5	0.50	ug/L	07/31/2007 15:03	81818	1	ES
Trifluralin	1582-09-8	0.20	U		0.042	0.20	0.042	ug/L	07/31/2007 15:03	81818	1	ES
Vernolate	1929-77-7	0.20	U		0.066	0.20	0.066	ug/L	07/31/2007 15:03	81818	1	ES

Surrogates

Test Method	CAS Number	QC	Dilution	Result	True Value	% Rec.	QC Limits	QC Flag	Prep Batch	Instrument	Analysis Date/Time	Analyst
2-Nitro-m-xylene	81-20-9		1	5.9	5.00	118	70-130		81520	MSR	7/31/2007 3:03:00PM	ES
Perylene-d12	1520-96-3		1	2.0	5.00	41	70-130	X	81520	MSR	7/31/2007 3:03:00PM	ES
Triphenylphosphate	115-86-6		1	9.5	5.00	190	70-130	X	81520	MSR	7/31/2007 3:03:00PM	ES

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15 DIL
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/28/2007 10:24	81784	20	SS
Method: EPA 200.7 Rev 4.4,Water												
Sodium	7440-23-5	1000000			410	1000	8200	ug/L	08/01/2007 10:43	81784	20	BB

Analytical Data

Client: Shaw Environmental & Project: Williams Trailer Park ATTN: Mr. Tom Elliott

Job Number: 680-28701-1
SDG Number: Williams Trailer Park

Client Sample ID: GW-42

Lab Sample ID: 680-28701-15 RA
Client Matrix: Water

Date Sampled: 07/25/2007 14:40
Date Received: 07/26/2007 9:17

TEST METHOD	CAS #	RESULT	Q	FLAG	MDL	MQL	SQL	UNITS	Analysis Date/Time	Batch	D.F.	Analyst
Method: EPA 200,Water												
200 Series Drinking Water Prep Determination Step	NA	Complete						NA	07/26/2007 18:01	82825	10	SS
Method: EPA 200.8,Water												
Aluminum J-PDS-H	7429-90-5	620			4.5	10	45	ug/L	08/10/2007 23:30	82825	10	CE
Antimony	7440-36-0	5.0	U		0.082	0.50	0.82	ug/L	08/10/2007 23:30	82825	10	CE
Arsenic J-ICS-H	7440-38-2	11			0.32	1.0	3.2	ug/L	08/10/2007 23:30	82825	10	CE
Barium	7440-39-3	49			0.52	2.0	5.2	ug/L	08/10/2007 23:30	82825	10	CE
Cadmium	7440-43-9	1.0	U		0.058	0.10	0.58	ug/L	08/10/2007 23:30	82825	10	CE
Chromium J-ICS-H	7440-47-3	4.1	J		0.24	1.0	2.4	ug/L	08/10/2007 23:30	82825	10	CE
Copper J-FD	7440-50-8	17			0.26	1.0	2.6	ug/L	08/10/2007 23:30	82825	10	CE
Lead J-FD	7439-92-1	1.8	J		0.054	0.30	0.54	ug/L	08/10/2007 23:30	82825	10	CE
Manganese	7439-96-5	100			0.78	2.0	7.8	ug/L	08/10/2007 23:30	82825	10	CE
Mercury	7439-97-6	1.0	U		0.044	0.10	0.44	ug/L	08/10/2007 23:30	82825	10	CE
Nickel J-FD	7440-02-0	2.9			0.050	0.20	0.50	ug/L	08/10/2007 23:30	82825	10	CE
Selenium	7782-49-2	27			0.16	0.50	1.6	ug/L	08/10/2007 23:30	82825	10	CE
Silver	7440-22-4	10	U		0.34	1.0	3.4	ug/L	08/10/2007 23:30	82825	10	CE
Thallium	7440-28-0	2.0	U		0.096	0.20	0.96	ug/L	08/10/2007 23:30	82825	10	CE
Zinc J-MS-L	7440-66-6	200	U		4.3	20	43	ug/L	08/10/2007 23:30	82825	10	CE

Form I

DATA REPORTING QUALIFIERS

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81845

Method: 524.2
Preparation: N/A

Lab Sample ID: MB 680-81845/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1542
Date Prepared: N/A

Analysis Batch: 680-81845
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq2012.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.50	U	0.19	0.50
Bromobenzene	0.50	U	0.13	0.50
Bromoform	0.50	U	0.17	0.50
Bromomethane	1.0	U	0.49	1.0
Carbon tetrachloride	0.50	U	0.38	0.50
Chlorobenzene	0.50	U	0.19	0.50
Chlorobromomethane	0.50	U	0.27	0.50
Chlorodibromomethane	0.50	U	0.16	0.50
Chloroethane	1.0	U	0.36	1.0
Chloroform	0.50	U	0.20	0.50
Chloromethane	0.50	U	0.31	0.50
2-Chlorotoluene	0.50	U	0.18	0.50
4-Chlorotoluene	0.50	U	0.18	0.50
cis-1,2-Dichloroethene	0.50	U	0.25	0.50
cis-1,3-Dichloropropene	0.50	U	0.16	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.29	0.50
Dibromomethane	0.50	U	0.18	0.50
1,2-Dichlorobenzene	0.50	U	0.23	0.50
1,3-Dichlorobenzene	0.50	U	0.19	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
Dichlorobromomethane	0.50	U	0.19	0.50
Dichlorodifluoromethane	0.50	U	0.46	0.50
1,1-Dichloroethane	0.50	U	0.23	0.50
1,2-Dichloroethane	0.50	U	0.19	0.50
1,1-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.22	0.50
1,3-Dichloropropane	0.50	U	0.19	0.50
2,2-Dichloropropane	0.50	U	0.33	0.50
1,1-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.18	0.50
Ethylene Dibromide	0.50	U	0.27	0.50
Hexachlorobutadiene	0.50	U	0.20	0.50
Isopropylbenzene	0.50	U	0.15	0.50
4-Isopropyltoluene	0.50	U	0.15	0.50
Methylene Chloride	0.50	U	0.21	0.50
Methyl tert-butyl ether	0.50	U	0.13	0.50
m-Xylene & p-Xylene	0.50	U	0.34	0.50
Naphthalene	1.0	U	0.13	1.0
n-Butylbenzene	0.50	U	0.14	0.50
N-Propylbenzene	0.50	U	0.19	0.50
o-Xylene	0.50	U	0.11	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81845

Method: 524.2
Preparation: N/A

Lab Sample ID: MB 680-81845/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1542
Date Prepared: N/A

Analysis Batch: 680-81845
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq2012.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
sec-Butylbenzene	0.50	U	0.17	0.50
Styrene	0.50	U	0.30	0.50
tert-Butylbenzene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.20	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.22	0.50
Toluene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.22	0.50
trans-1,3-Dichloropropene	0.50	U	0.21	0.50
1,2,3-Trichlorobenzene	0.50	U	0.12	0.50
1,2,4-Trichlorobenzene	0.50	U	0.10	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.25	0.50
Trichloroethene	0.50	U	0.20	0.50
Trichlorofluoromethane	0.50	U	0.31	0.50
1,2,3-Trichloropropane	0.50	U	0.22	0.50
1,2,4-Trimethylbenzene	0.50	U	0.17	0.50
1,3,5-Trimethylbenzene	0.50	U	0.17	0.50
Vinyl chloride	0.50	U	0.29	0.50
Xylenes, Total	0.50	U	0.44	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	70 - 130
1,2-Dichlorobenzene-d4	93	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81845

Method: 524.2
Preparation: N/A

Lab Sample ID: LCS 680-81845/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1503
Date Prepared: N/A

Analysis Batch: 680-81845
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq2011.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	18.2	91	70 - 130	
Bromobenzene	20.0	18.7	93	70 - 130	
Bromoform	20.0	18.8	94	70 - 130	
Bromomethane	20.0	25.5	127	70 - 130	
Carbon tetrachloride	20.0	18.4	92	70 - 130	
Chlorobenzene	20.0	18.5	92	70 - 130	
Chlorobromomethane	20.0	20.2	101	70 - 130	
Chlorodibromomethane	20.0	18.2	91	70 - 130	
Chloroethane	20.0	21.6	108	70 - 130	
Chloroform	20.0	17.8	89	70 - 130	
Chloromethane	20.0	15.0	75	70 - 130	
2-Chlorotoluene	20.0	18.7	93	70 - 130	
4-Chlorotoluene	20.0	19.2	96	70 - 130	
cis-1,2-Dichloroethene	20.0	18.5	92	70 - 130	
cis-1,3-Dichloropropene	20.0	18.6	93	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	70 - 130	
Dibromomethane	20.0	18.1	90	70 - 130	
1,2-Dichlorobenzene	20.0	19.0	95	70 - 130	
1,3-Dichlorobenzene	20.0	19.1	95	70 - 130	
1,4-Dichlorobenzene	20.0	19.3	97	70 - 130	
Dichlorobromomethane	20.0	18.1	91	70 - 130	
Dichlorodifluoromethane	20.0	14.5	73	70 - 130	
1,1-Dichloroethane	20.0	18.3	91	70 - 130	
1,2-Dichloroethane	20.0	18.7	93	70 - 130	
1,1-Dichloroethene	20.0	18.7	93	70 - 130	
1,2-Dichloropropane	20.0	18.7	93	70 - 130	
1,3-Dichloropropane	20.0	17.8	89	70 - 130	
2,2-Dichloropropane	20.0	18.5	93	70 - 130	
1,1-Dichloropropene	20.0	18.4	92	70 - 130	
Ethylbenzene	20.0	19.0	95	70 - 130	
Ethylene Dibromide	20.0	18.2	91	70 - 130	
Hexachlorobutadiene	20.0	17.9	90	70 - 130	
Isopropylbenzene	20.0	19.1	96	70 - 130	
4-Isopropyltoluene	20.0	19.6	98	70 - 130	
Methylene Chloride	20.0	17.6	88	70 - 130	
Methyl tert-butyl ether	16.0	14.0	88	70 - 130	
m-Xylene & p-Xylene	40.0	38.3	96	70 - 130	
Naphthalene	20.0	17.0	85	70 - 130	
n-Butylbenzene	20.0	19.1	96	70 - 130	
N-Propylbenzene	20.0	19.6	98	70 - 130	
o-Xylene	20.0	18.9	94	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81845

Method: 524.2
Preparation: N/A

Lab Sample ID: LCS 680-81845/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1503
Date Prepared: N/A

Analysis Batch: 680-81845
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq2011.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
sec-Butylbenzene	20.0	20.0	100	70 - 130	
Styrene	20.0	19.6	98	70 - 130	
tert-Butylbenzene	20.0	19.2	96	70 - 130	
1,1,1,2-Tetrachloroethane	20.0	18.8	94	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	18.3	91	70 - 130	
Tetrachloroethene	20.0	18.9	95	70 - 130	
Toluene	20.0	18.5	92	70 - 130	
trans-1,2-Dichloroethene	20.0	18.5	92	70 - 130	
trans-1,3-Dichloropropene	20.0	19.0	95	70 - 130	
1,2,3-Trichlorobenzene	20.0	17.4	87	70 - 130	
1,2,4-Trichlorobenzene	20.0	17.4	87	70 - 130	
1,1,1-Trichloroethane	20.0	18.1	90	70 - 130	
1,1,2-Trichloroethane	20.0	18.4	92	70 - 130	
Trichloroethene	20.0	17.2	86	70 - 130	
Trichlorofluoromethane	20.0	21.8	109	70 - 130	
1,2,3-Trichloropropane	20.0	17.0	85	70 - 130	
1,2,4-Trimethylbenzene	20.0	19.5	98	70 - 130	
1,3,5-Trimethylbenzene	20.0	19.5	98	70 - 130	
Vinyl chloride	20.0	20.0	100	70 - 130	
Xylenes, Total	60.0	57.1	95	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	70 - 130
1,2-Dichlorobenzene-d4	98	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: MB 680-81520/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1203
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3042.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Acenaphthylene	0.20	U	0.038	0.20
Acetochlor	0.50	U	0.058	0.50
Alachlor	0.20	U	0.060	0.20
Aldrin	0.20	U	0.052	0.20
alpha-BHC	0.20	U	0.035	0.20
alpha-Chlordane	0.50	U	0.10	0.50
Anthracene	0.20	U	0.034	0.20
Atrazine	0.20	U	0.043	0.20
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	0.20	U	0.090	0.20
Benzo[a]anthracene	0.20	U	0.028	0.20
Benzo[a]pyrene	0.20	U	0.025	0.20
Benzo[b]fluoranthene	0.20	U	0.039	0.20
Benzo[g,h,i]perylene	0.20	U	0.042	0.20
Benzo[k]fluoranthene	0.20	U	0.044	0.20
beta-BHC	0.20	U	0.086	0.20
Bis(2-ethylhexyl) phthalate	2.0	U	0.50	2.0
Bromacil	0.50	U	0.050	0.50
Butachlor	0.50	U	0.066	0.50
Butylate	0.20	U	0.040	0.20
Butyl benzyl phthalate	0.75	U	0.25	0.75
Chloroneb	0.50	U	0.036	0.50
Chlorpropham	0.20	U	0.033	0.20
Chlorpyrifos	0.50	U	0.057	0.50
Chrysene	0.20	U	0.051	0.20
cis-Permethrin	0.50	U	0.10	0.50
Cycloate	0.20	U	0.049	0.20
4,4'-DDD	0.50	U	0.044	0.50
4,4'-DDE	0.20	U	0.052	0.20
4,4'-DDT	0.50	U	0.045	0.50
delta-BHC	0.20	U	0.038	0.20
Dibenz(a,h)anthracene	0.20	U	0.035	0.20
Dichlorvos	0.20	U	0.037	0.20
Dieldrin	0.50	U	0.080	0.50
Di(2-ethylhexyl)adipate	1.5	U	0.50	1.5
Diethyl phthalate	1.5	U	0.50	1.5
Dimethyl phthalate	1.5	U	0.50	1.5
Di-n-butyl phthalate	1.5	U	0.50	1.5
2,6-Dinitrotoluene	0.75	U	0.25	0.75
2,4-Dinitrotoluene	0.75	U	0.25	0.75
Diphenamid	0.20	U	0.031	0.20
Endosulfan I	0.50	U	0.20	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: MB 680-81520/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1203
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3042.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Endosulfan II	0.50	U	0.16	0.50
Endosulfan sulfate	0.50	U	0.13	0.50
Endrin	0.50	U	0.12	0.50
Endrin aldehyde	1.0	U	0.082	1.0
EPTC	0.20	U	0.048	0.20
Ethyl 4,4'-Dichlorobenzilate	6.7	U	2.2	6.7
Etridiazole	0.20	U	0.046	0.20
Fenarimol	1.0	U	1.9	1.0
Fluorene	0.20	U	0.040	0.20
Fluridone	0.75	U	0.25	0.75
gamma-BHC (Lindane)	0.20	U	0.069	0.20
gamma-Chlordane	0.20	U	0.077	0.20
Heptachlor	0.20	U	0.038	0.20
Heptachlor epoxide	0.20	U	0.091	0.20
Hexachlorobenzene	0.20	U	0.032	0.20
Hexachlorocyclopentadiene	2.0	U	0.056	2.0
Hexazinone	0.50	U	0.10	0.50
Indeno(1,2,3-cd)pyrene	0.20	U	0.025	0.20
Isophorone	0.20	U	0.040	0.20
Methoxychlor	0.50	U	0.10	0.50
Methyl paraoxon	0.50	U	0.044	0.50
Metolachlor	0.20	U	0.025	0.20
Metribuzin	0.20	U	0.027	0.20
Mevinphos	0.50	U	0.039	0.50
MGK 264 - isomer a	0.20	U	0.031	0.20
MGK 264 - isomer b	0.20	U	0.036	0.20
Mocap	0.50	U	0.053	0.50
Molinate	0.20	U	0.046	0.20
Napropamide	0.50	U	0.048	0.50
Norflurazon	0.50	U	0.061	0.50
PCB 1	0.50	U	0.10	0.50
PCB 5	0.20	U	0.025	0.20
PCB 171	0.20	U	0.15	0.20
PCB 154	0.20	U	0.044	0.20
PCB 201	0.20	U	0.068	0.20
PCB 98	0.20	U	0.032	0.20
PCB 47	0.50	U	0.10	0.50
PCB 29	0.20	U	0.10	0.20
Pebulate	0.20	U	0.10	0.20
Phenanthrene	0.20	U	0.025	0.20
Pronamide	0.20	U	0.032	0.20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: MB 680-81520/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1203
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3042.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Propachlor	0.20	U	0.040	0.20
Propazine	0.20	U	0.050	0.20
Pyrene	0.20	U	0.033	0.20
Simazine	0.50	U	0.076	0.50
Terbacil	0.50	U	0.047	0.50
Tetrachlorvinphos (Stirophos)	0.50	U	0.081	0.50
Tetraphthalic acid, tetrachloro-, dimethyl ester	0.20	U	0.031	0.20
trans-Nonachlor	0.50	U	0.048	0.50
trans-Permethrin	0.50	U	0.10	0.50
Triadimefon	1.0	U	0.042	1.0
Tricyclazole	1.5	U	0.50	1.5
Trifluralin	0.20	U	0.042	0.20
Vernolate	0.20	U	0.066	0.20

Surrogate	% Rec	Acceptance Limits
2-Nitro-m-xylene	103	70 - 130
Perylene-d12	92	70 - 130
Triphenylphosphate	99	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: LCS 680-81520/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1140
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3041.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthylene	5.00	4.64	93	70 - 130	
Alachlor	5.00	5.63	113	70 - 130	
Aldrin	5.00	4.90	98	70 - 130	
alpha-BHC	5.00	5.06	101	70 - 130	
alpha-Chlordane	5.00	5.47	109	70 - 130	
Anthracene	5.00	2.67	53	70 - 130	*
Atrazine	5.00	5.03	101	70 - 130	
1,3-Benzenedicarbonitrile,	5.00	4.84	97	70 - 130	
Benzo[a]anthracene	5.00	4.74	95	70 - 130	
Benzo[a]pyrene	5.00	5.22	104	70 - 130	
Benzo[b]fluoranthene	5.00	5.26	105	70 - 130	
Benzo[g,h,i]perylene	5.00	5.18	104	70 - 130	
Benzo[k]fluoranthene	5.00	5.32	106	70 - 130	
beta-BHC	5.00	4.95	99	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.09	102	70 - 130	
Bromacil	5.00	5.57	111	70 - 130	
Butachlor	5.00	4.76	95	70 - 130	
Butylate	5.00	4.96	99	70 - 130	
Butyl benzyl phthalate	5.00	4.68	94	70 - 130	
Chloroneb	5.00	5.00	100	70 - 130	
Chlorpropham	5.00	5.30	106	70 - 130	
Chlorpyrifos	5.00	5.08	102	70 - 130	
Chrysene	5.00	4.97	99	70 - 130	
cis-Permethrin	3.00	3.32	111	70 - 130	
Cycloate	5.00	5.09	102	70 - 130	
4,4'-DDD	5.00	5.01	100	70 - 130	
4,4'-DDE	5.00	4.83	97	70 - 130	
4,4'-DDT	5.00	6.03	121	70 - 130	
delta-BHC	5.00	5.26	105	70 - 130	
Dibenz(a,h)anthracene	5.00	5.28	106	70 - 130	
Dichlorvos	5.00	4.79	96	70 - 130	
Dieldrin	5.00	4.91	98	70 - 130	
Di(2-ethylhexyl)adipate	5.00	4.89	98	70 - 130	
Diethyl phthalate	5.00	4.61	92	70 - 130	
Dimethyl phthalate	5.00	4.93	99	70 - 130	
Di-n-butyl phthalate	5.00	5.13	103	70 - 130	
2,6-Dinitrotoluene	5.00	3.16	63	70 - 130	*
2,4-Dinitrotoluene	5.00	3.29	66	70 - 130	*
Diphenamid	5.00	5.46	109	70 - 130	
Endosulfan I	5.00	5.44	109	70 - 130	
Endosulfan II	5.00	5.22	104	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: LCS 680-81520/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1140
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3041.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan sulfate	5.00	5.42	108	70 - 130	
Endrin	5.00	4.67	93	70 - 130	
Endrin aldehyde	5.00	3.16	63	70 - 130	*
EPTC	5.00	4.83	97	70 - 130	
Ethyl 4,4'-Dichlorobenzilate	5.00	4.34	87	70 - 130	J
Etridiazole	5.00	5.86	117	70 - 130	
Fenarimol	5.00	5.03	101	70 - 130	
Fluorene	5.00	4.91	98	70 - 130	
Fluridone	5.00	4.33	87	70 - 130	
gamma-BHC (Lindane)	5.00	4.88	98	70 - 130	
gamma-Chlordane	5.00	5.16	103	70 - 130	
Heptachlor	5.00	6.14	123	70 - 130	
Heptachlor epoxide	5.00	5.34	107	70 - 130	
Hexachlorobenzene	5.00	4.96	99	70 - 130	
Hexachlorocyclopentadiene	5.00	4.73	95	70 - 130	
Hexazinone	5.00	6.14	123	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.52	110	70 - 130	
Isophorone	5.00	5.37	107	70 - 130	
Methoxychlor	5.00	5.69	114	70 - 130	
Methyl paraoxon	5.00	7.46	149	70 - 130	*
Metolachlor	5.00	5.21	104	70 - 130	
Metribuzin	5.00	3.84	77	70 - 130	
Mevinphos	5.00	4.77	95	70 - 130	
MGK 264 - isomer a	2.85	3.11	109	70 - 130	
MGK 264 - isomer b	2.15	2.42	113	70 - 130	
Mocap	5.00	5.20	104	70 - 130	
Molinate	5.00	5.13	103	70 - 130	
Napropamide	5.00	5.22	104	70 - 130	
Norflurazon	5.00	5.87	117	70 - 130	
PCB 1	5.00	4.83	97	70 - 130	
PCB 5	5.00	4.94	99	70 - 130	
PCB 171	5.00	5.67	113	70 - 130	
PCB 154	5.00	5.03	101	70 - 130	
PCB 201	5.00	4.79	96	70 - 130	
PCB 98	5.00	5.45	109	70 - 130	
PCB 47	5.00	4.78	96	70 - 130	
PCB 29	5.00	4.94	99	70 - 130	
Pebulate	5.00	5.47	109	70 - 130	
Phenanthrene	5.00	4.93	99	70 - 130	
Pronamide	5.00	5.35	107	70 - 130	
Propachlor	5.00	5.30	106	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81520

Method: 525.2
Preparation: 525.2

Lab Sample ID: LCS 680-81520/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1140
Date Prepared: 07/30/2007 1025

Analysis Batch: 680-81818
Prep Batch: 680-81520
Units: ug/L

Instrument ID: Mass Spec LC - R
Lab File ID: R3041.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Propazine	5.00	5.75	115	70 - 130	
Pyrene	5.00	5.03	101	70 - 130	
Simazine	5.00	4.54	91	70 - 130	
Terbacil	5.00	5.81	116	70 - 130	
Tetrachlorvinphos (Stirophos)	5.00	5.86	117	70 - 130	
Tetraphthalic acid, tetrachloro-, dimethyl	5.00	5.22	104	70 - 130	
trans-Nonachlor	5.00	4.86	97	70 - 130	
trans-Permethrin	7.00	7.32	105	70 - 130	
Triadimefon	5.00	5.79	116	70 - 130	
Tricyclazole	5.00	4.41	88	70 - 130	
Trifluralin	5.00	5.50	110	70 - 130	
Vernolate	5.00	4.91	98	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Nitro-m-xylene	111	70 - 130
Perylene-d12	95	70 - 130
Triphenylphosphate	95	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81445

Method: 200.7 Rev 4.4
Preparation: 200

Lab Sample ID: MB 680-81445/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1704
Date Prepared: 07/28/2007 1024

Analysis Batch: 680-81784
Prep Batch: 680-81445
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Iron	50	U	26	50
Sodium	1000	U	410	1000

Lab Control Spike - Batch: 680-81445

Method: 200.7 Rev 4.4
Preparation: 200

Lab Sample ID: LCS 680-81445/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2007 1708
Date Prepared: 07/28/2007 1024

Analysis Batch: 680-81784
Prep Batch: 680-81445
Units: ug/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Iron	1000	963	96	85 - 115	
Sodium	5000	4970	99	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Method Blank - Batch: 680-81319

Method: 200.8
Preparation: 200

Lab Sample ID: MB 680-81319/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2007 0054
Date Prepared: 07/26/2007 1801

Analysis Batch: 680-82825
Prep Batch: 680-81319
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Beryllium	0.40	U	0.12	0.40

Method Blank - Batch: 680-81319

Method: 200.8
Preparation: 200

Lab Sample ID: MB 680-81319/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/10/2007 2045
Date Prepared: 07/26/2007 1801

Analysis Batch: 680-82825
Prep Batch: 680-81319
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	1.0	U	0.32	1.0
Silver	1.0	U	0.34	1.0
Aluminum	10	U	4.5	10
Barium	2.0	U	0.52	2.0
Cadmium	0.10	U	0.058	0.10
Chromium	1.0	U	0.24	1.0
Copper	1.0	U	0.26	1.0
Manganese	2.0	U	0.78	2.0
Nickel	0.20	U	0.050	0.20
Lead	0.30	U	0.054	0.30
Antimony	0.50	U	0.082	0.50
Selenium	0.50	U	0.16	0.50
Thallium	0.20	U	0.096	0.20
Zinc	20	U	4.3	20
Mercury	0.10	U	0.044	0.10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Lab Control Spike - Batch: 680-81319

Method: 200.8
Preparation: 200

Lab Sample ID: LCS 680-81319/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2007 0100
Date Prepared: 07/26/2007 1801

Analysis Batch: 680-82825
Prep Batch: 680-81319
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Beryllium	10.0	10.3	103	85 - 115	

Lab Control Spike - Batch: 680-81319

Method: 200.8
Preparation: 200

Lab Sample ID: LCS 680-81319/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/10/2007 2052
Date Prepared: 07/26/2007 1801

Analysis Batch: 680-82825
Prep Batch: 680-81319
Units: ug/L

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	19.3	97	85 - 115	
Silver	10.0	9.65	96	85 - 115	
Aluminum	1000	1050	105	85 - 115	
Barium	20.0	20.5	103	85 - 115	
Cadmium	10.0	9.75	97	85 - 115	
Chromium	20.0	19.4	97	85 - 115	
Copper	20.0	18.8	94	85 - 115	
Manganese	100	104	104	85 - 115	
Nickel	20.0	19.0	95	85 - 115	
Lead	10.0	9.21	92	85 - 115	
Antimony	10.0	9.89	99	85 - 115	
Selenium	20.0	19.2	96	85 - 115	
Thallium	8.00	7.58	95	85 - 115	
Zinc	20.0	18.1	91	85 - 115	J
Mercury	1.00	1.00	100	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-81445

Method: 200.7 Rev 4.4
Preparation: 200

MS Lab Sample ID:	680-28701-2	Analysis Batch: 680-81784	Instrument ID: ICP/AES
Client Matrix:	Water	Prep Batch: 680-81445	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	07/31/2007 1327		Final Weight/Volume: 50 mL
Date Prepared:	07/28/2007 1024		

MSD Lab Sample ID:	680-28701-2	Analysis Batch: 680-81784	Instrument ID: ICP/AES
Client Matrix:	Water	Prep Batch: 680-81445	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	07/31/2007 1332		Final Weight/Volume: 50 mL
Date Prepared:	07/28/2007 1024		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	72	139	75 - 125	2	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-81445

Method: 200.7 Rev 4.4
Preparation: 200

MS Lab Sample ID:	680-28701-2	Analysis Batch: 680-81784	Instrument ID: ICP/AES
Client Matrix:	Water	Prep Batch: 680-81445	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/31/2007 1723		Final Weight/Volume: 50 mL
Date Prepared:	07/28/2007 1024		

MSD Lab Sample ID:	680-28701-2	Analysis Batch: 680-81784	Instrument ID: ICP/AES
Client Matrix:	Water	Prep Batch: 680-81445	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/31/2007 1727		Final Weight/Volume: 50 mL
Date Prepared:	07/28/2007 1024		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Iron	97	97	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-81319

Method: 200.8
Preparation: 200

MS Lab Sample ID:	680-28701-1	Analysis Batch: 680-82825	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-81319	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	07/30/2007 0124		Final Weight/Volume: 50 mL
Date Prepared:	07/26/2007 1801		

MSD Lab Sample ID:	680-28701-1	Analysis Batch: 680-82825	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-81319	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	07/30/2007 0130		Final Weight/Volume: 50 mL
Date Prepared:	07/26/2007 1801		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Beryllium	110	107	70 - 130	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 680-28701-1
Sdg Number: 68028701

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-81319

Method: 200.8
Preparation: 200

MS Lab Sample ID:	680-28701-1	Analysis Batch: 680-82825	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-81319	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/10/2007 2120		Final Weight/Volume: 50 mL
Date Prepared:	07/26/2007 1801		

MSD Lab Sample ID:	680-28701-1	Analysis Batch: 680-82825	Instrument ID: ICP MS
Client Matrix:	Water	Prep Batch: 680-81319	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/10/2007 2126		Final Weight/Volume: 50 mL
Date Prepared:	07/26/2007 1801		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	104	91	70 - 130	7	20		
Silver	97	92	70 - 130	5	20	J	J
Aluminum	118	110	70 - 130	7	20		
Barium	89	74	70 - 130	6	20		
Cadmium	99	93	70 - 130	6	20		
Chromium	102	95	70 - 130	7	20		
Copper	94	88	70 - 130	5	20		
Manganese	-109	-266	70 - 130	7	20	4	4
Nickel	98	90	70 - 130	6	20		
Lead	98	95	70 - 130	3	20		
Antimony	115	103	70 - 130	11	20		
Selenium	106	91	70 - 130	10	20		
Thallium	94	85	70 - 130	8	20		
Zinc	67	47	70 - 130	4	20	J 4	J 4
Mercury	123	115	70 - 130	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 05050

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: TCEQ-Williams Trailer Park	PROJECT NO.: 126153	PROJECT LOCATION (STATE): TX
STL (LAB) PROJECT MANAGER: Bernard Kirkland	P.O. NUMBER: 273511	CONTRACT NO.:
CLIENT (SITE) PM: John Sullivan	CLIENT PHONE: 432-681-2800	CLIENT FAX: 432-687-6717
CLIENT NAME: Shaw Environmental	CLIENT E-MAIL: Valen.Magnini@shawgrp.com	
CLIENT ADDRESS: 5801 W. Industrial #2 Midland, TX 79706		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ●

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	VOCs EPA 524.2	SVOCs EPA 525.2	Metals 200.8	REMARKS
								None	None	HNO3	
								NUMBER OF CONTAINERS SUBMITTED			
7-25-07	9:10	GW23	G	X				3	2	1	
7-25-07	10:00	GW21	G	X				3	2	1	
7-25-07	10:45	GW38	G	X				3	2	1	
7-25-07	11:35	GW30	G	X				3	2	1	
7-25-07	11:55	FB-3	G	X				3			
7-25-07	13:55	GW24	G	X				3	2	1	
7-25-07	14:45	GW15	G	X				3	2	1	
7-25-07	—	TB-3	G	X				3			

TEMP. 0.2/0.2
0.4/1.4

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Valen Magnini / Michael Board	7-25-07	17:00	UPS			UPS		
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	07/26/07	0917			680-28701	

TRRP Report w/ Raw data. Send a copy to sushama.paranjape@shawgrp.com.

STL8240-680 (12/02)

Serial Number 83844

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: TCEQ-Williams Trail Park	PROJECT NO.: 126153	PROJECT LOCATION (STATE): TX
STL (LAB) PROJECT MANAGER: Bernard Kirkland	P.O. NUMBER: 273511	CONTRACT NO.:
CLIENT (SITE) PM:	CLIENT PHONE: 4326812800	CLIENT FAX: 4326816217
CLIENT NAME:	CLIENT E-MAIL:	
CLIENT ADDRESS:		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ●
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBM PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	EPA 524.2 (None)	EPA 525.2 (None)	EPA 2000.8 (HNO_3)	REMARKS
7/25/07	9:05	GW-19	G	X				3	2	1	
7/25/07	10:00	GW-17	G	X				3	2	1	
7/25/07	10:02	GW-32	G	X				3	2	1	
7/25/07	11:05	GW-37	G	X				3	2	1	
7/25/07	12:18	GW-29	G	X				3	2	1	
7/25/07	14:22	GW-41	G	X				3	2	1	
7/25/07	14:40	GW-42	G	X				3	2	1	

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Michael Bard / Debra Magers	7-25-07	17:00	UPS			UPS		
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
	072607	0917	YES ○ NO ○		680-28701	

TRRP Report w/ Raw Data, send copy to sushama.paranjape@shawgrp.com

STL8240-680

A.W. GREENWOOD ASSOCIATES (216) 441-4224

Reference 22

STATE SUPERFUND PROGRAM

STATE SCREENING

ANGUS ROAD GROUNDWATER PLUME
4300 BLOCK OF ANGUS ROAD, ODESSA, ECTOR COUNTY, TEXAS
TCEQ R00081

Texas Commission on Environmental Quality
Austin, Texas

February, 2008

220001

PRELIMINARY HAZARD ASSESSMENT

Facility Name:

Angus Road Groundwater Plume

Location:

4300 Block of Angus Road, Ector County, Texas (see Site Location Map)

Source Description:

Unknown groundwater plume

Contaminants of Concern:

1,2-Dichloroethane (1,2-DCA)

Other Agency Jurisdiction:

NA

Pathway Scores:

ground water = 510.3081

surface water = not evaluated

soil = not evaluated

air = not evaluated

Total Score = 11.3

Site Background

The Angus Road Groundwater Plume (Site) is located at 4300 block of Angus Road in Odessa, Texas. It is an area mixed with residential and commercial properties. A variety of businesses are established in the area including light industrial fabrication, warehouse, storage, and oil and gas production. The residential properties include a trailer court known as Williams Trailer Court, located at 4307 Angus Road. Approximately 50 people reside in the trailer park. The trailer court is supplied by two Public Water Supply (PWS) wells. However, their drinking water source is other than the PWS water. The density of residences and service yards decreases significantly to the north of 49th Street.

The area within a half mile radius to the south of the site consists of industrial and commercial businesses. The area to the west consists of ranch land with oil and gas production. To the east and southeast are residences with water wells, warehouses, storage yards, a Leaking Petroleum Storage Tank (LPST) site called Malco Trucking, a welding shop, a tank battery, a diesel engine repair shop, and a supply store. To the north are mostly residences.

The topography at the site is flat but at the same time it is interrupted by minor features of relief formed by numerous shallow playas, sand dunes, and small stream valleys.

There are two schools in the surrounding area: a children's Montessori school, which is at 4 miles from the site, and Permian High School located approximately 1 mile from the site.

The water supply in the area is a mix of PWS, private well, and city water. All businesses and residents south of 42nd Street are on city water. The suspected sources of release include a business called WWL Industries, Malco Trucking, which is a LPST site, a welding shop called C & S Welding, and a diesel repair shop called L & W Diesel Service, Inc.

The contaminant migration pathway of concern is groundwater.

Chemical of Concern

The chemical of concern (COC) is 1,2-Dichloroethane (1,2-DCA). The COC has variety of uses *(Reference 1)*, such as, degreaser, paint remover, production of plastics, and others. Historically, it has been use as an anti-knock additive in leaded fuels. Given the operation of various commercial activities at the Site area which may use the COC, the source of contamination is not yet known.

Site History

In a letter dated August 30, 2002, the TCEQ notified Williams Trailer Court of suspected ground water contamination of their PWS well. In order to confirm the contamination, the TCEQ collected samples at Williams Trailer Court. The wells tested were well no. 1 (G060126A) and well no. 2 (G060126B) and the entry point (G0680126A and G0680126B). The results confirmed groundwater contamination with the regulated chemical 1,2-Dichloroethane (1,2-DCA). However, all results came back as being below the United States Environmental Protection Agency (US EPA)Maximum Contaminant Level (MCL) of 5 μg/l or parts per billion (ppb) for 1,2-DCA.

Due to the detection of 1,2-DCA, the TCEQ Regional Office began investigating the potential source. A nearby LPST site (Malco Trucking), located at 2800 West 42nd Street was sampled for groundwater contamination of 1,2-DCA. The sample results of July 20, 2004, indicated that all eight wells had levels of 1,2-DCA below the MCL.

In addition, on September 9, 2004, TCEQ Field Operations initiated water well sampling in and around Williams Trailer Court. A total of 15 wells were sampled. The results indicated that 1,2-DCA and other volatile organic constituent concentrations did not exceed their respective MCLs.

On June 5, 2006, TCEQ performed another round of sampling under the Superfund Site Discovery and Assessment Program (SSDAP). During this sampling event, eighteen wells were sampled for the presence of 1,2-DCA. Some of the wells sampled included those sampled in September 2004 such as the two PWS wells at Williams Trailer Court. The results indicated levels of 1,2-DCA above the MCL for two wells at two properties operating metal workshops. The results were 6.4 μg/l and 45 μg/l.

The results also indicated two residential groundwater wells above the respective MCLs for arsenic and mercury. Arsenic was present in many of the wells sampled and it was suspected to be in the background. Mercury was present in some of the method blank results. Additional sampling of the same residential well indicated that the level of Mercury was below the MCL.

TCEQ conducted another sampling in April 2007. During the event, thirty-two wells were sampled. The residents and business owners verbally confirmed that the groundwater was used for purposes other than drinking and was not used for drinking. Arsenic was found in most of the wells supporting the fact that it may be present in the background. The wells that were found contaminated with 1,2-DCA in June 2006 sampling were again found to be contaminated above MCL. One additional well was found to be contaminated above the MCL. Manganese was found above the MCL in one residential well while 1,2,3-Trichloropropane was found above the MCL in two wells, one operating a metal workshop and the other a warehouse. All the residents and business owners were provided with the analytical results. They were also requested to inform TCEQ if they wanted a filtration unit installed in their groundwater wells. The

resident's well contaminated with manganese and the well at the warehouse requested filtration units. The filtration units were installed in August, 2007.

TCEQ conducted another sampling event in July 2007. One additional well was sampled during this event, which was found to be contaminated with 1,2-DCA above MCL. The wells that were found contaminated in previous samplings were found to be contaminated during this event as well. The additional well sampled was located at the furthest south of the Site indicating the contaminated plume concentrated in an area enclosed by West 44th Street, Guernsey Road, Hereford Road, and West 40th Street. The southern extent of the plume beyond West 40th Street is not yet known.

Comments

For the purpose of State Screening, the groundwater migration pathway was evaluated within a four mile radius from the plume. There were nine groundwater wells contaminated with 1,2-DCA, out of which four wells exceeded MCL for 1,2-DCA. Among the nine contaminated wells, seven groundwater wells exceeded 1,2-DCA hazardous substance benchmark for cancer risk screening concentration. However, all the wells were evaluated as potential contamination to targets instead of Level I and Level II concentration because the well owners verbally confirmed that well water was not used for drinking.

Within a two mile radius from the groundwater plume, a PWS system (0680203) supplying a population of 23,094 was found *(Reference 2)*. There are 24 operating wells of the PWS, of which 21 wells were located within two to four mile radius of the plume. Therefore, with respect to distance–weighted population values for potential contamination, the target population of 23,094 was evaluated in one to two miles of the plume. The population size of 2.72 was considered per residential groundwater well *(Reference 3)*.

Name of Reviewer	**Date**
Sugam Shrestha	02/29/2008

Attachment

1. Quickscore Report
2. Site Location Map

Reference

1. *US EPA Groundwater and Drinking Water Consumer Fact Sheet on 1,2-Dichloroethane.*
2. *PWS (0680203) Information.*
3. *US Census Bureau State and County Quick Facts for Ector County, Texas.*

Attachment 1

****** CONFIDENTIAL ******
******PRE-DECISIONAL DOCUMENT ******
****** SUMMARY SCORESHEET ******
****** FOR COMPUTING PROJECTED HRS SCORE ******

****** Do Not Cite or Quote ******

Site Name: Angus Road Groundwater Plume

Region:

City, County, State: Odessa, Ector, TX

Evaluator: Sugam Shrestha

EPA ID#: NA

Date: 2/29/2008

Lat/Long:

T/R/S:

Congressional District:

This Scoresheet is for: State Screening

Scenario Name: Groundwater Contamination

Description: For the purpose of State Screening, the groundwater migration pathway was evaluated within a four mile radius from the plume. There were nine groundwater wells contaminated with 1,2-DCA, out of which four wells exceeded MCL for 1,2-DCA. Among the nine contaminated wells, seven groundwater wells exceeded 1,2-DCA hazardous substance benchmark for cancer risk screening concentration. However, all the wells were evaluated as potential contamination to targets instead of Level I and Level II concentration because the well owners verbally confirmed that well water was not used for drinking. Within a two mile radius from the groundwater plume, a PWS system supplying a population of 23,094 was found. There are 24 operating wells of the PWS, of which 21 wells were located within two to four mile radius of the plume. Therefore, with respect to distance–weighted population values for potential contamination, the target population of 23,094 was evaluated in one to two miles of the plume. The population size of 2.72 was considered per residential groundwater well.

	S pathway	S^2 pathway
Ground Water Migration Pathway Score (S_{gw})	22.59	510.3081
Surface Water Migration Pathway Score (S_{sw})		
Soil Exposure Pathway Score (S_s)		
Air Migration Score (S_a)		
$S^2_{gw} + S^2_{sw} + S^2_s + S^2_a$		510.3081
$(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		127.577025
$\sqrt{(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4}$		11.3

✳ Pathways not assigned a score (explain): Surface water migration
Soil exposure
Air migration

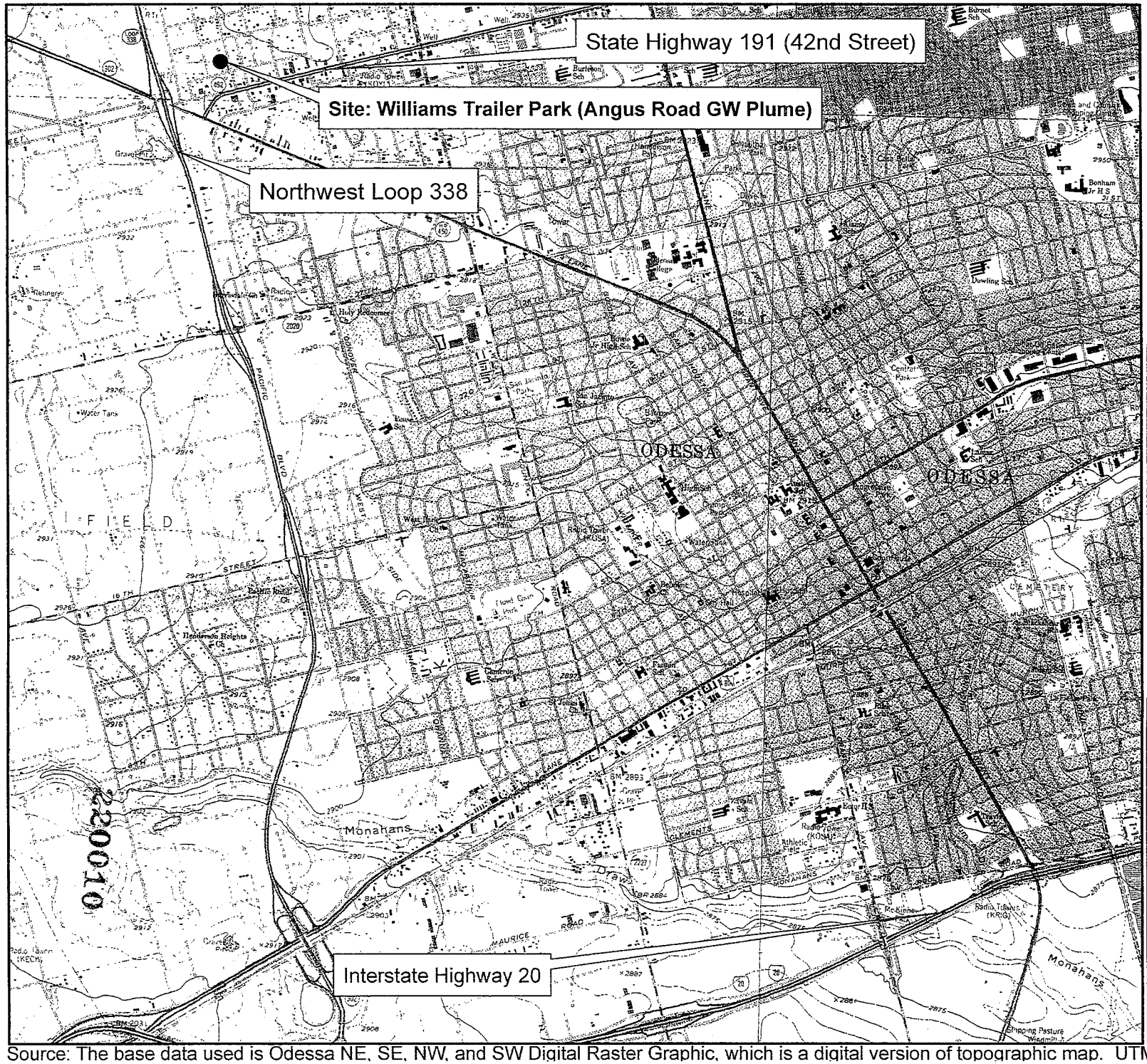
220007

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET			
Factor categories and factors	Maximum Value	Value Assigned	
Aquifer Evaluated:			
Likelihood of Release to an Aquifer:			
1. Observed Release	550	550	
2. Potential to Release:			
2a. Containment	10	10	
2b. Net Precipitation	10	10	
2c. Depth to Aquifer	5	5	
2d. Travel Time	35	35	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	500	
3. Likelihood of Release (higher of lines 1 and 2e)	550		550
Waste Characteristics:			
4. Toxicity/Mobility	(a)	100	
5. Hazardous Waste Quantity	(a)	100	
6. Waste Characteristics	100		10
Targets:			
7. Nearest Well	(b)	20	
8. Population:			
8a. Level I Concentrations	(b)		
8b. Level II Concentrations	(b)		
8c. Potential Contamination	(b)	313.8	
8d. Population (lines 8a + 8b + 8c)	(b)	313.8	
9. Resources	5	5	
10. Wellhead Protection Area	20	0	
11. Targets (lines 7 + 8d + 9 + 10)	(b)		338.8
Ground Water Migration Score for an Aquifer:			
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000][c]	100		22.5866666666667
Ground Water Migration Pathway Score:			
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated)[c]	100		22.5866666666667

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

Attachment 2

Site Location Map

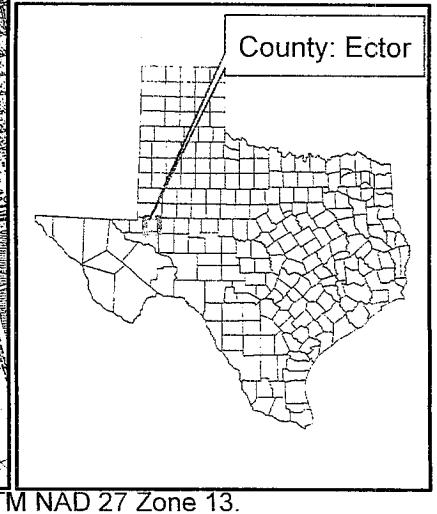


TCEQ

Site: Angus Road Groundwater Plume Odessa

N
W E
S

0 0.25 0.5 1 Miles



Source: The base data used is Odessa NE, SE, NW, and SW Digital Raster Graphic, which is a digital version of topographic map. UTM NAD 27 Zone 13.

Reference 1

220011

U.S. ENVIRONMENTAL PROTECTION AGENCY

Ground Water & Drinking Water

Drinking Water and Health Basics
Frequently Asked Questions
Local Drinking Water Information
Drinking Water Standards
List of Contaminants & MCLs
Regulations & Guidance
Public Drinking Water Systems
Source Water Protection
Underground Injection Control
Data & Databases
Drinking Water Academy
Safe Drinking Water Act
National Drinking Water Advisory Council
Water Infrastructure Security

Consumer Factsheet on: 1,2-DICHLOROETHANE

List of Contaminants

As part of the Drinking Water and Health pages, this fact sheet is part of a larger publication:
National Primary Drinking Water Regulations

This is a factsheet about a chemical that may be found in some public or private drinking water supplies. It may cause health problems if found in amounts greater than the health standard set by the United States Environmental Protection Agency (EPA).

What is 1,2-DCA and how is it used?

1,2-Dichloroethane (1,2-DCA) is a colorless, oily, organic liquid with a sweet, chloroform-like odor. The greatest use of 1,2-dichloroethane is in making chemicals involved in plastics, rubber and synthetic textile fibers. Other uses include: as a solvent for resins and fats, photography, photocopying, cosmetics, drugs; and as a fumigant for grains and orchards.

The list of trade names given below may help you find out whether you are using this chemical at home or work.

Trade Names and Synonyms:

1,2-Ethylene dichloride
Glycol dichloride
Freon 150
Borer sol
Brocide
Destruxol borer-sol
Dichlor-mulsion
Dutch oil
Granosan

Why is 1,2-DCA being Regulated?

In 1974, Congress passed the Safe Drinking Water Act. This law requires EPA to determine safe levels of chemicals in drinking water which do or may cause health problems. These non-enforceable levels, based solely on possible health risks and exposure, are called Maximum Contaminant Level Goals.

The MCLG for 1,2-dichloroethane has been set at zero because EPA believes this level of protection would not cause any of the potential health problems described below.

220012

Based on this MCLG, EPA has set an enforceable standard called a Maximum Contaminant Level (MCL). MCLs are set as close to the MCLGs as possible, considering the ability of public water systems to detect and remove contaminants using suitable treatment technologies.

The MCL has been set at 5 parts per billion (ppb) because EPA believes, given present technology and resources, this is the lowest level to which water systems can reasonably be required to remove this contaminant should it occur in drinking water.

These drinking water standards and the regulations for ensuring these standards are met, are called National Primary Drinking Water Regulations. All public water supplies must abide by these regulations.

What are the Health Effects?

Short-term: EPA has found 1,2-dichloroethane to potentially cause the following health effects when people are exposed to it at levels above the MCL for relatively short periods of time: central nervous system disorders, and adverse lung, kidney, liver circulatory and gastrointestinal effects.

Long-term: 1,2-Dichloroethane has the potential to cause the following effects from a lifetime exposure at levels above the MCL: cancer.

How much 1,2-DCA is produced and released to the environment?

Production of 1,2-dichloroethane was 18 billion lbs. in 1993. It is released in waste water, spills, and/or improper disposal primarily from its use as a cleaning solvent, in making other organics, and in pesticides.

From 1987 to 1993, according to the Toxics Release Inventory, releases to water and land totalled over 455,000 lbs. These releases were primarily from facilities which make industrial organic chemicals, alkalis and chlorine. The largest releases occurred in New Jersey and Louisiana.

What happens to 1,2-DCA when it is released to the environment?

While releases to water or soil will evaporate quickly, 1,2-dichloroethane will also leach into groundwater rapidly where it is likely to persist for a very long time. There is little degradation by microbes. 1,2-Dichloroethane is not expected to accumulate in fish.

How will 1,2-DCA be Detected in and Removed from My Drinking Water?

The regulation for 1,2-dichloroethane became effective in 1989. Between 1993 and 1995, EPA required your water supplier to collect water samples every 3 months for one year and analyze them to find out if 1,2-dichloroethane is present above 0.5 ppb. If it is present above this level, the system must continue to monitor this contaminant.

If contaminant levels are found to be consistently above the MCL, your water supplier must take steps to reduce the amount of 1,2-dichloroethane so that it is consistently below that level. The following treatment methods have been approved by EPA for removing 1,2-dichloroethane: Granular activated charcoal in combination with Packed Tower Aeration.

How will I know if 1,2-DCA is in my drinking water?

220013

If the levels of 1,2-dichloroethane exceed the MCL, 5 ppb, the system must notify the public via newspapers, radio, TV and other means. Additional actions, such as providing alternative drinking water supplies, may be required to prevent serious risks to public health.

Drinking Water Standards:

Mclg: zero

Mcl: 5 ppb

1,2-DCA Releases to Water and Land, 1987 to 1993 (in pounds):

		Water	Land
TOTALS (in pounds)		**433,056**	**22,616**
Top Six States*			
NJ	192,700	231	
LA	136,508	2,292	
TX	36,459	7,028	
MO	6,786	8,730	
NY	11,330	0	
KY	10,309	0	
Major Industries			
Industrial organics		211,146	363
Alkalies, chlorine		120,283	3,254
Cyclic crudes, intermed.		32,945	119
Agricultural chemicals		11,918	8,980
Industrial gases		15,497	0
Plastics materials, resins		6,908	6,895
Photographic equip.		11,566	0
Other Chemicals		8,179	0
Pharmaceuticals		7,525	521
Petroleum refining		1,730	1,479

* Water/Land totals only include facilities with releases greater than a certain amount - usually 1000 to 10,000 lbs.

Learn more about your drinking water!

EPA strongly encourages people to learn more about their drinking water, and to support local efforts to protect and upgrade the supply of safe drinking water. Your water bill or telephone books government listings are a good starting point.

Your local water supplier can give you a list of the chemicals they test for in your water, as well as how your water is treated.

Your state Department of Health/Environment is also a valuable source of information.

For help in locating these agencies or for information on drinking water in general, call: EPAs Safe Drinking Water Hotline: (800) 426-4791.

For additional information on the uses and releases of chemicals in your state, contact the: Community Right-to-Know Hotline: (800) 424-9346.

List of Contaminants

220014

Last updated on Friday, February 29th, 2008
URL: http:///C%3A/Documents%2520and%2520Settings/sshresth/Desktop/041806%2520Sugam/Williams%2520Trailer%2520Park/Site%2520Screening%2520Report/EPA%2520Consumer%2520Factsheet%2520on%25201%2C2-DICHLOROETHANE.mht

220015

Reference 2

220016

Public Water Systems Details/Data Sheet for COLORADO RIVER MWD ECTOR COUNTY WELL FIELD (0680203)

Affiliations | Comments | Samples | Schedules | Fee | Site Visits | Documents
Violations | Sources | Sold Source | Entry Points | Plants

Responsible Party

Organization: COLORADO RIVER MUNICIPAL WATER DISTRICT
Address: PO BOX 869
BIG SPRING, TX 79721-0869
Individual: JOHN GRANT
Job Title: GENERAL MANAGER
Phone: (432) 267-6070 Ext: 24 HRS

Occurences were successfully retrieved.

Customers

Reference Number	Name	Role
CN602515967	COLORADO RIVER MUNICIPAL WATER DISTRICT	RESPONSIBLE PARTY

Properties

District Number: (2380000) COLORADO RIVER MWD
Utility CCN/Reg: (P1129) COLORADO RIVER MUNICIPAL WATER DISTRICT
CR Regulated Entity Number: RN101180271
CCEDS Status: NO ACTIVE NOE EXISTS
Ownership Type: DISTRICT/AUTHORITY
System Type: COMMUNITY
Interconnection: 1
County: ECTOR (68)
Region: ODESSA (7)
Monitoring Class: GROUND WATER
Out of Season:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Customer Groups

Population	Connection

2M0017

Class	Category	Count	Count	Count
RESIDENTIAL	WHOLESALER (TREATED WATER)	23094	7698	11

Customer Group occurrences retrieved.

Capacity

Total Storage:

Total Storage: **0.000 MG**

Elevated Storage: **0.000 MG**

Pressure Tank Capacity: **0.00000 MG**

Production:

Total Production: **1.080 MGD**

Max Purchased Capacity: **0.000 MGD**

Emergency Production: **0.000 MGD**

Total Service Capacity: **0.000 MGD**

Service Pump Capacity: **0.000 MGD**

Emergency Service Capacity: **0.000 MGD**

Consumption:

Avg Daily Consumption: **0.000 MGD**

Max Daily Consumption: **0.000 MGD**

Activity

Activity Status: **ACTIVE**

Operator Grades

Grade	Total
WATER GRADE C GROUND	1

Occurrences retrieved.

Site Visits

Survey Date	Visit Type	Deficiency Score	Inspector
10/21/1999	SURVEY	0	CINDY WILLIAMS
10/31/2000	SURVEY	0	CINDY WILLIAMS
10/29/2001	SURVEY	0	CINDY WILLIAMS
10/17/2002	SURVEY	0	CINDY WILLIAMS
10/28/2003	SURVEY	0	CINDY WILLIAMS

Site Visit occurrences retrieved.

220018

Comments

Comment Date	Text	Staff Name
01/19/2007	WHOLESALER RAW (NO TREATMENT) PER MARIE KNIPFER, NOT REQUIRED TO TAKE BACT SAMPLES. SP	SALLY PARAMO
09/07/2005	NO TREATMENTS BEING USED FOR THIS SYSTEM GG	

Occurrences retrieved.

Run Water System Data Sheet Report

Water System successfully retrieved.

For questions or comments regarding information on this page, contact the TCEQ iWUD Web Manager

220019

Reference 3

220020

U.S. Census Bureau
State & County QuickFacts

Ector County, Texas

People QuickFacts	Ector County	Texas
Population, 2006 estimate	127,462	23,507,783
Population, percent change, April 1, 2000 to July 1, 2006	5.2%	12.7%
Population, 2000	121,123	20,851,820
Persons under 5 years old, percent, 2005	8.9%	8.2%
Persons under 18 years old, percent, 2005	29.7%	27.7%
Persons 65 years old and over, percent, 2005	11.0%	9.9%
Female persons, percent, 2005	51.3%	50.2%
White persons, percent, 2005 (a)	92.4%	83.2%
Black persons, percent, 2005 (a)	4.9%	11.7%
American Indian and Alaska Native persons, percent, 2005 (a)	1.1%	0.7%
Asian persons, percent, 2005 (a)	0.7%	3.3%
Native Hawaiian and Other Pacific Islander, percent, 2005 (a)	0.1%	0.1%
Persons reporting two or more races, percent, 2005	0.8%	1.1%
Persons of Hispanic or Latino origin, percent, 2005 (b)	47.9%	35.1%
White persons not Hispanic, percent, 2005	46.1%	49.2%
Living in same house in 1995 and 2000, pct 5 yrs old & over	57.1%	49.6%
Foreign born persons, percent, 2000	10.6%	13.9%
Language other than English spoken at home, pct age 5+, 2000	37.1%	31.2%
High school graduates, percent of persons age 25+, 2000	68.0%	75.7%
Bachelor's degree or higher, pct of persons age 25+, 2000	12.0%	23.2%
Persons with a disability, age 5+, 2000	20,604	3,605,542
Mean travel time to work (minutes), workers age 16+, 2000	18.6	25.4
Housing units, 2005	50,721	9,026,011
Homeownership rate, 2000	68.6%	63.8%
Housing units in multi-unit structures, percent, 2000	20.7%	24.2%
Median value of owner-occupied housing units, 2000	$47,700	$82,500
Households, 2000	43,846	7,393,354
Persons per household, 2000	2.72	2.74
Median household income, 2004	$34,138	$41,645
Per capita money income, 1999	$15,031	$19,617

220021

Persons below poverty, percent, 2004	19.3%	16.2%

Business QuickFacts	Ector County	Texas
Private nonfarm establishments, 2005	3,138	497,758[2]
Private nonfarm employment, 2005	44,804	8,305,102[2]
Private nonfarm employment, percent change 2000-2005	16.0%	3.5%[2]
Nonemployer establishments, 2004	7,295	1,581,734[1]
Total number of firms, 2002	9,496	1,734,509
Black-owned firms, percent, 2002	F	5.1%
American Indian and Alaska Native owned firms, percent, 2002	F	0.9%
Asian-owned firms, percent, 2002	2.3%	4.5%
Native Hawaiian and Other Pacific Islander owned firms, percent, 2002	F	0.1%
Hispanic-owned firms, percent, 2002	19.3%	18.4%
Women-owned firms, percent, 2002	22.6%	27.0%
Manufacturers shipments, 2002 ($1000)	1,005,901	310,815,965
Wholesale trade sales, 2002 ($1000)	1,048,264	397,405,111
Retail sales, 2002 ($1000)	1,357,691	228,694,755
Retail sales per capita, 2002	$11,091	$10,528
Accommodation and foodservices sales, 2002 ($1000)	153,927	29,914,774
Building permits, 2006	261	216,642
Federal spending, 2004 ($1000)	508,244	141,858,480[2]

Geography QuickFacts	Ector County	Texas
Land area, 2000 (square miles)	901.06	261,797.12
Persons per square mile, 2000	134.4	79.6
FIPS Code	135	48
Metropolitan or Micropolitan Statistical Area	Odessa, TX Metro Area	

1: The 2004 Nonemployer totals may be low due to late tax reporting in hurricane-impacted counties/regions in Alabama, Florida, Louisiana, Mississippi, and Texas.
2: Includes data not distributed by county.

(a) Includes persons reporting only one race.
(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information
F: Fewer than 100 firms
FN: Footnote on this item for this area in place of data
NA: Not available
S: Suppressed; does not meet publication standards

220022

X: Not applicable
Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, Census of Population and Housing, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits, Consolidated Federal Funds Report
Last Revised: Friday, 31-Aug-2007 10:24:47 EDT

220023

Reference 23

SUPPLEMENTAL FIELD SAMPLING PLAN

FOR THE

Angus Road Groundwater Plume Site
4300 block of Angus Road,
Ector County,
Odessa, Texas

Texas Commission on Environmental Quality
12100 Park 35 Circle, Bldg D
Austin, Texas 78753

March 2008

Approved by:

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Shaw Environmental, Inc.

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03/27/08
Sushama Paranjape (Date)
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230001

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230004

List of Acronyms

BGL	Below ground level
COC	Chemical of concern
C-O-C	Chain-of-custody
DHL	DH Laboratory
DUS	Data usability summary
EDD	Electronic data deliverable
EPA	U. S. Environmental Protection Agency
FB	Field blank
FD	Field duplicate
FSP	Field sampling plan
GPS	Global positioning system
HASP	Health and Safety Plan
H&SO	Health and Safety Officer
MCL	Maximum contaminant level
MDL	Method detection limit
mg/Kg	Milligram per kilogram
mg/L	Milligram per liter
MS/MSD	Matrix spike/matrix spike duplicate
PCL	Protective concentration level
PM	Project Manager
ppm	Parts per million
PWS	Public water system
QAPP	TCEQ Superfund Quality Assurance Project Plan (Document Control Number 200919.4)
QA/QC	Quality assurance/quality control
RCRA	Resource Conservation & Recovery Act
SOP	TCEQ Superfund Standard Operating Procedure
SOW	Scope of work
SSDAP	Superfund Site Discovery and Assessment Program
STL	Severn Trent Laboratory
SVOC	Semivolatile organic compound
TCEQ	Texas Commission on Environmental Quality
TRRP	Texas Risk Reduction Program
TSG	The Shaw Group, Inc.
URS	URS Corporation
VOA	Volatile organic analyte
VOC	Volatile organic compound

230005

1.0 Introduction

1.1 Purpose

The purpose of the sampling event is to determine the extent of hazardous contamination in the groundwater and potentially identify the source of contamination at the Angus Road Groundwater Plume site (Site). This work to perform is specified in work order 180-8249 under contract number 582-6-49221.

The purpose also includes verification of filtration systems effectively removing chemicals of concern (COC) from previously sampled drinking water wells, to collect data to score the site for the State Superfund Program, and to determine the presence of COCs in previously unsampled private drinking water wells.

1.2 Reference Documents

Section unchanged from April 2007 FSP.

1.3 Project Organization

The project team for the Site comprises the TCEQ's project manager (PM), quality assurance (QA) specialist, and health and safety (H&S) officer, and the contractor's PM, QA specialist or officer, H&S officer, and its subcontracted laboratories, providing analytical services for this Site, and the data reviewer. The lines of authority and communication for the project are presented in the project organization chart in Figure 1.

In addition to the roles and responsibilities set forth in Element A.4 of the QAPP, the following additional responsibilities are assigned:

The TCEQ Project Manager is responsible for:

- Determining the project data quality objectives (DQOs);
- Planning the project and completing the activities described in this FSP;
- Collecting and documenting the circumstantial information, e.g. photographs, and evidence of owner/operator information available at the Site, to provide information for cost recovery activities, unless delegated to the contractor's PM;
- Preparing of the work order (WO) and necessary amendments;
- Overseeing the activities of the contractor;
- Verifying the work is complete according to the WO, this FSP, and the QAPP;
- Reviewing and approving of contractor invoices, unless delegated otherwise; and
- Distributing the approved SAP, and each addendum, to the TCEQ project personnel on the distribution list.

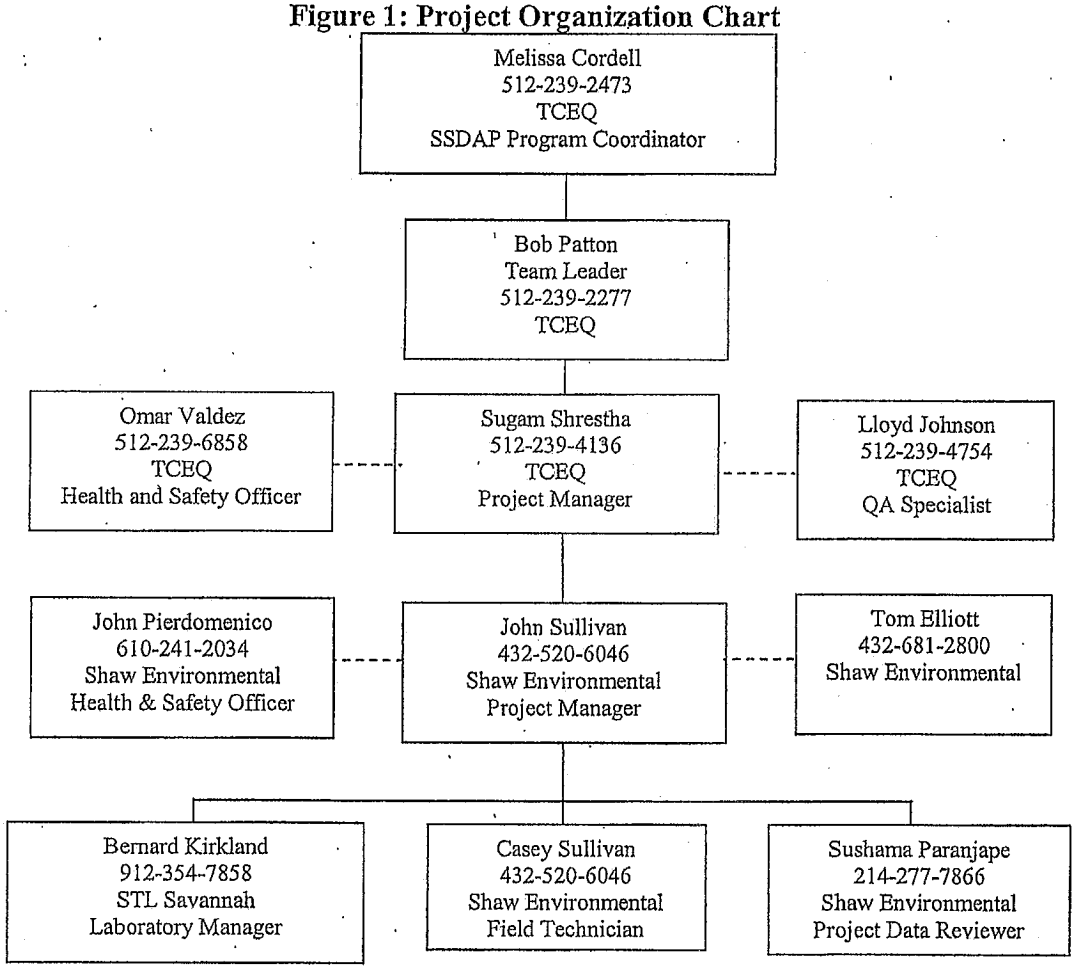
The TCEQ QA Specialist is responsible for:

- Reviewing and approving the FSP for the project.
- Reviewing the laboratory submittals specified in the WO;
- Ensuring the project DQOs and measurement quality objectives (MQOs) were met by the contractor and analytical laboratory; and
- Reviewing the contractor's deliverables associated with the analytical data, e.g., the data usability summary (DUS) for the project.

The Contractor is responsible for:

- Distributing the approved SAP, and each addendum, to the contractor's personnel and subcontractors responsible for the work performed during this sampling event;
- Securing the signature from the laboratory documenting the laboratory has reviewed the analytical specifications of the FSP and QAPP and can meet the project objectives. The signature can be secure by original hard copy or fax or by .pdf transmittal via electronic mail;
- Performing work, including work performed by the laboratories and all subcontractors, which meets the requirements of the contract, WO and QAPP necessary to fulfill the DQOs;
- Providing appropriate personnel to complete the project within the required timeframe;
- Ensuring all onsite personnel adhere to the site-specific HASP;
- Communicating with the TCEQ PM and following any specific instructions issued;
- Communicating agreed upon changes to its subcontractors; and
- Timely submittal of invoices.

Figure 1: Project Organization Chart



230007

1.3.1 Roles and Responsibilities

Section unchanged from April 2007 FSP.

2.0 Site and Project Summary

2.1 Site Location and Background

The Angus Road Groundwater Plume (Site) is located at 4300 block of Angus Road in Odessa, Texas. It is an area mixed with residential and commercial properties. A variety of businesses are established in the area including light industrial fabrication, warehouse, storage, and oil and gas production.

The residential properties include a trailer court known as Williams Trailer Court, located at 4307 Angus Road. Approximately 50 people reside in the trailer park. The trailer court is supplied by two Public Water Supply (PWS) wells. However, their drinking water source is other than the PWS water. The density of residences and service yards decreases significantly to the north of 49th Street.

The area within a half mile radius to the south of the Site consists of industrial and commercial businesses. The area to the west consists of ranch land with oil and gas production. To the east and southeast are residences with water wells, warehouses, storage yards, a Leaking Petroleum Storage Tank (LPST) site called Malco Trucking, a welding shop, a tank battery, a diesel engine repair shop, and a supply store. To the north are mostly residences.

The topography at the site is flat but at the same time it is interrupted by minor features of relief formed by numerous shallow playas, sand dunes, and small stream valleys.

There are two schools in the surrounding area: a children's Montessori school, which is at 4 miles from the site, and Permian High School located approximately 1 mile from the site.

The water supply in the area is a mix of PWS, private well, and city water. All businesses and residents south of 42nd Street are on city water. The suspected sources of release include a business called WWL Industries, Malco Trucking, which is a LPST site, a welding shop called C & S Welding, and a diesel repair shop called L & W Diesel Service, Inc. The contaminant migration pathway of concern is groundwater.

2.2 Previous Investigations

In a letter dated August 30, 2002, the TCEQ notified Williams Trailer Court of suspected ground water contamination of their PWS well. In order to confirm the contamination, the TCEQ collected samples at Williams Trailer Court. The wells tested were well no. 1 (G060126A) and well no. 2 (G060126B) and the entry point (G0680126A and G0680126B). The results confirmed groundwater contamination with the regulated chemical 1,2-Dichloroethane (1,2-DCA). However, all results came back as being below the United States

Environmental Protection Agency (US EPA)Maximum Contaminant Level (MCL) of 5 μg/l or parts per billion (ppb) for 1,2-DCA. There were no other PWS wells within 0.5 miles of the Site.

Due to the detection of 1,2-DCA, the TCEQ Regional Office began investigating the potential source. A nearby LPST site (Malco Trucking), located at 2800 West 42nd Street was sampled for groundwater contamination of 1,2-DCA. The sample results of July 20, 2004, indicated that all eight wells had levels of 1,2-DCA below the MCL.

In addition, on September 9, 2004, TCEQ Field Operations initiated water well sampling in and around Williams Trailer Court. A total of fifteen wells were sampled. The results indicated that 1,2-DCA and other volatile organic constituent concentrations did not exceed their respective MCLs.

On June 5, 2006, TCEQ performed another round of sampling under the Superfund Site Discovery and Assessment Program (SSDAP). During this sampling event, eighteen wells were sampled for the presence of 1,2-DCA. Some of the wells sampled included those sampled in September 2004 such as the two PWS wells at Williams Trailer Court. The results indicated levels of 1,2-DCA above the MCL for two wells at two properties operating metal workshops. The results were 6.4 μg/l and 45 μg/l.

The results also indicated two residential groundwater wells above the respective MCLs for arsenic and mercury. One sample indicated presence of 1,900 μg/l Manganese, which was above TRRP Tier I Groundwater PCL. Arsenic was present in many of the wells sampled and it is suspected to be naturally occurring. Mercury was present in some of the method blank results. Additional sampling of the same residential well indicated that the level of Mercury was below the MCL.

TCEQ conducted another sampling in April 2007. During the event, thirty-two wells were sampled. The residents and business owners verbally confirmed that the groundwater was used for purposes other than drinking and was not used for drinking. Arsenic was found in most of the wells supporting the fact that it may be present in the background. Bis (2-ethylhexyl) phthalate was present in one duplicate sample above its MCL. It is suspected to be a laboratory contaminant. The wells that were found contaminated with 1,2-DCA in June 2006 sampling were again found to be contaminated above MCL. One additional well was found to be contaminated above the MCL. Manganese was found above the TRRP Tier I Groundwater PCL in the same residential sample as of June 2006. In two wells, 1,2,3-Trichloropropane was found above the TRRP Tier I Groundwater PCL, one operating a metal workshop and the other a warehouse.

All the residents and business owners were provided with the analytical results. They were also requested to inform TCEQ if they wanted a filtration unit installed in their groundwater wells. The resident's well contaminated with Manganese and the well owner of the warehouse property contaminated with 1,2 DCA requested filtration units. The filtration units were installed in August, 2007.

230009

TCEQ conducted another sampling in July 2007. One sample was found to be contaminated with Bis (2-ethylhexyl) phthalate. One additional well was sampled during this event, which was found to be contaminated with 1,2-DCA above MCL. The wells that were found contaminated in previous samplings were found to be contaminated with the same contaminants during this event as well.

The additional well sampled in July 2007 was located at the furthest south of the Site indicating the contaminated plume concentrated in an area enclosed by West 44th Street, Guernsey Road, Hereford Road, and West 40th Street. The southern extent of the plume beyond West 40th Street, however, is not yet known.

2.3 Chemicals of Concern

The COCs known or suspected to be associated with activities conducted at the Site are 1,2-DCA, 1,2,3-Trichloropropane, Arsenic, and Manganese. Arsenic is being evaluated but is possibly naturally occurring.

2.4 Immediate Removal Phase

All the residents and business owners whose wells were sampled were sent the results of the analysis and were also requested to inform TCEQ if they wanted a filtration unit installed in their groundwater wells. A resident's well contaminated with Manganese and the well owner of the warehouse property contaminated with 1,2 DCA requested filtration units. The filtration units were installed in August, 2007. Currently, there is no additional immediate removal action planned for this Site. The rationale behind not having a further removal action planned at this time is due to the fact that the residents or the business owners at the Site do not use the well water for drinking or cooking purposes.

3.0 Analytical Requirements and Data Quality Objectives

3.1 Sampling Objectives and Data Quality Objectives

The objective of this sampling event is to collect groundwater samples at, and near to, the 4300 block of Angus Road to determine if COCs have been released from activities conducted at the Site and to determine if a release presents the potential of immediate threat to human health and safety or the environment.

The sample concentrations will be compared to background concentrations and the nature of the contamination observed in the sample will be compared to the types of chemicals known or suspected to be associated with activities in the area.

- If the concentration in the environmental sample is greater than its sample quantitation limit and greater than three times the background concentration or greater than the background sample quantitation limit when not detected in the background, then significance above background has been established.

230010

- If the concentration is greater than published human health or ecological values, then the Site will be evaluated as a candidate for immediate action and required notifications will be made.

- If the concentration of a chemical in the groundwater is verified to be greater than the MCL in groundwater, notification process will be initiated.

- A release of a COC has been established if there is significance above background, attribution to this Site, and a portion of the significance above background is attributable to the Site.

Table 3.1: List of COCs and the analytical levels of concern for this project.

COC	Laboratory MQL	Laboratory MDL	Health-Based Drinking Water Benchmark	Cancer Risk Benchmark
1,2-DCA	0.5	0.24 ppb	5 ppb	0.94 ppb
1,2,3-Trichloropropane	0.5	0.22	0.13 ppb	0.012ppb
Arsenic	1.0	0.32	10 ppb	0.057ppb
Manganese	10	2.2	1,100 ppb	NA

3.2 Data Reporting, Data Review and Data Validation

Section unchanged from April 2007 FSP.

3.2.1 Data Review and Data Validation Memoranda

Section unchanged from April 2007 FSP.

3.2.2 Data Usability Summary

Section unchanged from April 2007 FSP.

4.0 Sampling Plan Design

The sampling design is based on judgment, that is, non-statistical. Sample locations are selected to determine background levels, areas of known or suspected releases, known or suspected migration pathways, and known or suspected sources.

The groundwater well locations located north of West 44th Street where previous two to three consecutive samplings have not detected the COCs above the MCL or are within the MCL will be discontinued from monitoring. A total of fourteen groundwater wells will be discontinued from sampling.

The previous sampling event also confirmed contamination of groundwater well with the COC at West 40th Street, between Northwest Loop 338 and Cessna Avenue. Therefore, new groundwater wells south of West 40th Street will be included for sampling.

4.1 Sampling Locations and Rationale

Sample locations are tabulated in Table 4.1. The rationale for each sample location is also presented in Table 4.1. The analysis will be performed as indicated in Table 4.1 Analysis column.

Some groundwater wells as indicated in Table 4.1 will also be analyzed for SVOCs.

Site Location Map (Figure 2) gives locations of previously sampled and new groundwater wells. Three new wells are not located in Figure 2, which will be determined during the sampling event.

Table 4.1: Sample Rationale, Locations, and Analyses

Sample ID	Sample Location	Sample Rationale (including associated field QC samples)	Analysis (see section 4.2)
Previously Sampled Wells			
GW-01/02	Residential drinking water well located at 4307 Angus Road.	Assess release of contaminants to groundwater.	1,2
GW-03	Residential drinking water well located at 4301 Angus Road.	Assess release of contaminants to groundwater.	1,2
GW-04	**Residential drinking water well located at 4320 Angus Road.**	**Assess release of contaminants to groundwater and to determine effectiveness of installed filter system. Triple volume will be collected for MS/MSD.**	**1,2**
GW-15	Residential drinking water well located at 4311 Churchill.	Assess release of contaminants to groundwater.	1,2
GW-16	Groundwater well located at 2600 W 43rd.	Assess release of contaminants to groundwater.	1,2,3
GW-17	Groundwater well located at 2700 W 43rd Street.	Assess release of contaminants to groundwater.	1,2
GW-18	Groundwater well located at 2600 W 42nd Street.	Assess release of contaminants to groundwater.	1,2
GW-19	Groundwater well located at 2500 W 42nd Street.	Obtain background sample to compare significance of release sample.	1,2
GW-20	Groundwater well located at 2606 W 42nd Street	Assess release of contaminants to groundwater.	1,2
GW-21	Groundwater well located at 2426 W 40th Street.	Obtain background sample to compare significance of release sample.	1,2
GW-22	Groundwater well located at 2417 W 44th Street.	Obtain background sample to compare significance of release sample.	1,2
GW-23	Groundwater well located at 2714 W 40th Street.	Assess release of contaminants to groundwater.	1,2
GW-28	Groundwater well located at 4320 Johnson Road.	Assess release of contaminants to groundwater.	1,2
GW-29	Groundwater well located at 4309 Bryan Road.	Obtain background sample to compare significance of release sample.	1,2
GW-30	**Groundwater well located at**	**Assess release of contaminants to**	**1,2**

Sample ID	Sample Location	Sample Rationale (including associated field QC samples)	Analysis (see Section 4.2)
	2700 W 42nd Street.	groundwater and to determine effectiveness of installed filter system	
GW-31	Duplicate sample collected at the same location as GW-16	**Duplicate**	1,2,3
GW-32	Duplicate sample collected at the same location as GW-20	**Duplicate**	1,2
GW-33	Duplicate sample collected at the same location as GW-23	**Duplicate**	1,2
GW-34	Duplicate sample collected at the same location as GW-44	**Duplicate from New Sampling Location**	1,2
GW-36	Residential drinking water well located at 2708 W 44th Street.	Obtain background sample to compare significance of release sample.	1,2
GW-37	Groundwater well located at 2800 W 42nd Street.	Assess release of contaminants to groundwater.	1,2,3
GW-38	Groundwater well located at 2818 W 42nd Street.	Assess release of contaminants to groundwater.	1,2
GW-39	Residential drinking water well located at 4313 Guernsey.	Obtain background sample to compare significance of release sample.	1,2
GW-40	Residential drinking water well located at 4361 Churchill.	Obtain background sample to compare significance of release sample.	1,2
New Sampling Locations			
GW-43	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater. **Triple volume will be collected for MS/MSD.**	1,2,3
GW-44	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater.	1,2,3
GW-45	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater.	1,2,3
GW-46	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater.	1,2,3
GW-47	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater.	1,2,3
GW-48	Groundwater well location to be determined in the field.	Assess release of contaminants to groundwater.	1,2,3
Blank Sample			
FB-01	Same location as GW-21	Field blank	2
FB-02	Same location as GW-22	Field blank	2
FB-03	Same location as GW-48	Field blank	2

4.2 Sample Analysis

The samples will be analyzed using the following line items from the TCEQ Superfund RIRS Contract 582-6-49221:

1. 9.02.0201--01 14-Day TAT One to Twelve Metals by ICP-MS EPA Method 200.8 (State Certified Drinking Water Lab for Metal Analysis Only. Prepared by EPA 200.2 and Analyzed by EPA Method 200.8) for One to Forty Samples.

2. 9.02.0201--02 14-Day TAT Measurement of Purgeable Organic Compounds in Water by Capillary Column CG/MS (EPA Method 524.2) for One to Forty Samples.
3. 9.02.0201--03 14-Day TAT Determination of Organic Compounds in Drinking Water by Liquid-Solid Extraction by Capillary Column GC/MS (EPA Method 525.2) for One to Forty Samples.

4.3 Field Quality Control Samples

Section unchanged from April 2007 FSP.

5.0 Sampling Methods and Sample Handling

5.1 Field Sampling Procedures

Section unchanged from April 2007 FSP.

5.1.1 Sample Collection

Section unchanged from April 2007 FSP.

5.1.1.1 Groundwater Samples

The groundwater samples will be collected from a faucet or port at or nearest to the wellhead. The samples should be collected prior to the water entering any chlorinator, storage tank, or pressure tank. The SOP 7.9 (Purging a Drinking Water Well) will be followed to purge the well prior to sampling. While the faucet is running, temperature, pH, and conductivity field measurement readings will be collected at intervals of at least 5 minutes using a calibrated instrument. The measurements will be collected in accordance with SOP 7.5 (Measurement of Field Parameters). Well purging is considered complete after three consecutive readings within +/- 10% conductivity, +/- 1 C° temperature, and +/- 0.5 for pH. Once purging is completed, the groundwater sample will be collected directly from the same faucet. A garden hose may be used for directing purge water from the well, but samples shall be collected only from the faucet head. The SOP 7.10 (Sampling a Drinking Water Well) will be followed.

5.1.1.2 Surface Water Samples

Section unchanged from April 2007 FSP.

5.1.1.3 Soil Samples

Section unchanged from April 2007 FSP.

5.1.1.4 Sediment Samples

Section unchanged from April 2007 FSP.

5.2 Sample Containers, Sample Preservation, Sample Volume, and Holding Times

Section unchanged from April 2007 FSP.

5.3 Chain-of-Custody Procedures

Section unchanged from April 2007 FSP.

6.0 Field Survey and Measurements

6.1 Property Access

Section unchanged from April 2007 FSP.

6.2 Water Well Survey

Section unchanged from April 2007 FSP.

6.3 Topographic Survey

Section unchanged from April 2007 FSP.

7.0 Additional Field Activities

7.1 Sample Identification and Documentation of Sampling Activities

Section unchanged from April 2007 FSP.

7.2 Equipment Decontamination

Section unchanged from April 2007 FSP.

7.3 Investigative-Derived Waste

Section unchanged from April 2007 FSP.

7.4 Site Restoration

Section unchanged from April 2007 FSP.

7.5 Health and Safety

Section unchanged from April 2007 FSP.

8.0 Exceptions, Additions, and Changes to the TCEQ Superfund QAPP

Section unchanged from April 2007 FSP.

Reference 24

DAY 1 04/08/08

ANGUS ROAD GW PLUME, ODESSA, TX

8:45 AM - arrived @ site with Omar Valdez, PM, SLS.

9:00 - met with Shaw Env sampling team:
TOM, Casey, Bill, and Micah

9:15 - conducted safety meeting

9:30 - divided into two teams to conduct sampling. GPS coordinates were collected @ each location

2:30PM - GW 3 property owner provided with a negative of aerial picture of GW-3 location and the vicinity

3:30 - on completing sampling for the day, drove around site for access to sample additional wells. Locations visited were GW 44, GW 43, GW 46. ~~Returned~~ & checked in @ the hotel after the visits to new locations

240001

DAY 2 04/09/08

8:10 - requested hard + electronic copies of negative provided by the GW 3 property owner

8:20 - reached site

8:25 - conducted safety meeting

8:55 - continued sampling remaining wells. GPS coordinates were taken @ all locations

12:15 - business facility @ GW-23 requested for filtration system. Confirmed that gw wasn't used for drinking/cooking purpose but only used for cleaning, including vehicles.

15:30 - drove around the site for possible source identification

16:00 - returned to the hotel on completing the sampling for the day and dropping Omar to the airport to catch the return flight to Austin.

240002

DAY 3 04/10/08

8:15 - reached site

8:20 - conducted safety meeting

8:30 - continued sampling remaining wells. GPS coordinates were taken @ all locations

11:00 - completed sampling all locations as planned.

11:30 - went to the photo shop to collect pictures + electronic copies of the negative provided by the GW-3 owner

12:00 - returned the negative to the GW-3 owner

240003

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 4/8/08

Well ID/Well Info	GW - 01/02				GW - 17				GW - 04			
Address	4307 Angus Rd.				2700 W. 43rd St				4320 Angus Rd.			
Well Location	backyard (GW01) alley (GW02)				center of yard on Angus Rd. side				backyard, south edge of site.			
Purge Start / Water Quality / Sample Time	Purge Start Time	09:12			Purge Start Time	10:35			Purge Start Time	11:37		
	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS
	0957	20.5	7.05	4.56	10:50	22.0	6.88	3.35	11:52	23.1	6.78	4.61
	1002	20.0	7.00	4.56	10:55	22.3	7.04	3.40	11:57	22.8	7.00	4.60
	10:07	20.6	7.00	4.50	11:00	22.6	6.97	3.40	12:02	22.6	7.06	4.62
	Sample Time	10:20			Sample Time	11:07			Sample Time	12:05		
Weather	Breezy & mild, mostly sunny											
Sample (preserved/unpreserved)	VOA	none			VOA	none			VOA	none		
	SVOA	HCl + Na_2SO_3			SVOA	HCl + Na_2SO_3			SVOA	HCl + Na_2SO_3		
	Metal	HNO_3			Metal	HNO_3			Metal	HNO_3		
Sampled By	Tom Elliott				Tom Elliot				Tom Elliot			
Remarks	wells are plumbed together - sample is a blended sample of GW01 & GW02 GPS A0408144				only faucet close to well is out of storage tank GPS A0408158				GW-04 collected here; an effluent sample from filtration system. New faucet, part of filtration system is used to collect sample since it is now the closest faucet to well.			

A40004

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 4/8/08

Well ID/Well Info	GW - 15				GW - 03				GW - 30			
Address	4311 Churchill Rd				4301 Angus Rd.				2700 W. 42nd			
Well Location	north ~~west~~ east corner of the property along Churchill				well ~~on~~ the side of the building near the northwest corner.				inside their warehouse at the southeast corner.			
Purge Start / Water Quality / Sample Time	Purge Start Time	13:53			Purge Start Time	14:30			Purge Start Time	15:45		
	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS
	14:08	24.3	7.02	2.28	14:45	21.8	6.87	4.79	16:00	25.7	6.86	3.54
	14:13	23.6	7.19	2.26	14:50	21.9	7.02	4.71	16:05	22.8	6.84	3.54
	14:18	23.1	7.20	2.26	14:55	21.9	7.00	4.71	16:10	22.8	6.86	3.54
	Sample Time	14:20			Sample Time	15:00			Sample Time	16:10		
Weather	Sunny, breezy, warm ~85°F											
Sample (preserved/unpreserved)	VOA	none			VOA	none			VOA	none		
	SVOA	HCl + Na_2SO_3			SVOA	HCl + Na_2SO_3			SVOA	HCl + Na_2SO_3		
	Metal	HNO_3			Metal	HNO_3			Metal	HNO_3		
Sampled By	Tom Elliot				Tom Elliot				Tom Elliot			
Remarks	Faucet closer to well-head located and used for sampling. Previous events, a different faucet farther from well-head used GPS: A0405194				sampled from the faucet located in the bathroom located in the northeast corner of the building.				Carbon filtration media shows to have been replaced on 3/10/08			

240005

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 04/08/08

Well ID/Well Info	GW - 29				GW - 22				GW - 39			
Address	4309 Bryan Road				2417 W 44th St.				4313 Guernsey			
Well Location	inside east side of building				south-east side of property				south side of property			
Purge Start / Water Quality / Sample Time	Purge Start Time	11:40			Purge Start Time	14:02			Purge Start Time	14:52		
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	11:55	23.1	7.14	3.58 ms	14:17	25.5	7.1	3.57 ms	15:07	20.24	7.28	3.89 ms
	12:00	21.5	7.38	3.17 ms	14:22	23.6	7.29	3.67 ms	15 12	19.98	7.37	3.98 ms
	12:05	21.4	7.45	3.15 ms	14:27	23.1	7.41	3.69 ms	1517	20.0	7.44	4.02 ms
	12:10	21.9	7.38	3.15 ms	14:32	23.2	7.34	3.56 ms				
	Sample Time				Sample Time	14:35			Sample Time	15:20		
Weather	sunny, low winds				sunny, hot				sunny, hot			
Sample (preserved/unpreserved)	VOA	✓ unpreserved			VOA	✓ unpreserved			VOA	✓ unpreserved		
	SVOA	—			SVOA	—			SVOA			
	Metal	✓ preserved w/ HNO3			Metal	✓ preserved w/ HNO3			Metal	✓ preserved w/ HNO3		
Sampled By	Micah & Bill from Shaw Env.											
Remarks	GPS file: A040817A				GPS file: A040819B				GPS file: A040819C well pressure tank could not be located so took the sample from faucet beside the front entrance door			

900022

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 04/08/08

Well ID/Well Info	GW - 40				GW - 16				GW - 31 (dup)			
Address	4361 Churchill				2600 West 43rd Street				-			
Well Location	north-west corner				inside building.							
Purge Start / Water Quality / Sample Time	Purge Start Time	9:45 AM			Purge Start Time	10:40			Purge Start Time			
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	10:00	21.8	6.82	6.65 ms	10:55	20.6	7.33	2.78 ms				
	1005	21.9	7.17	6.59 ms	11:00	20.6	7.42	2.79 ms				
	1010	21.5	6.56	6.52 ms	11:05	20.5	7.45	2.74 ms				
	1015	20.7	7.27	6.62 ms								
	1020	20.5	7.3	6.59 ms								
	Sample Time	10:23			Sample Time	11:15			Sample Time	11:20		
Weather	cool winds. sunny				sunny, low winds							
Sample (preserved/unpreserved)	VOA	✓ unpreserved			VOA	✓ unpreserved			VOA			
	SVOA				SVOA	✓ preserved w/ HCl + Na_2SO_3			SVOA			
	Metal	✓ preserved w/ HNO_3			Metal	✓ preserved w/ HNO_3			Metal			
Sampled By												
Remarks	nobody home. left door-knob hanger after sampling. sampled from faucet. GPS file:				GPS file: A040815C -sampled from outside the building as the faucet closest to the well wasn't accessible -took FB-01				duplicate taken @ GW-16			

240007

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 4/9/08

Well ID/Well Info	GW - 23				GW - 19				GW -			
Address	2714 W. 40th St.				2500 W. 42nd St.				~~2616 West 40th St. O.V.~~			
Well Location	northwest corner of property				center of yard				~~inside of building on the western edge of building O.V.~~			
Purge Start / Water Quality / Sample Time	Purge Start Time	12:00			Purge Start Time	1358			Purge Start Time			
	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS	Time	Temp °C	pH	Conductivity mS
	12:15	22.9	7.43	5.38	14:05	22.1	7.61	2.09				
	12:20	22.6	7.42	5.39	14:10	21.6	7.67	2.08				
	12:25	22.8	7.38	5.41	14:15	21.7	7.70	2.08				
	Sample Time	12:30			Sample Time	14:18			Sample Time			
Weather	breezy, partly sunny & warm				breezy, partly sunny & hot							
Sample (preserved/unpreserved)	VOA	none			VOA	none			VOA	~~none~~ O.V.		
	SVOA	HCl + Na_2SO_3			SVOA	HCl + Na_2SO_3			SVOA	~~HCl + Na_2SO_3~~ O.V.		
	Metal	HNO_3			Metal	HNO_3			Metal	~~HNO_3~~ O.V.		
Sampled By	Casey Sullivan				Casey Sullivan							
Remarks	sample collected from the faucet closest to well. Sample collected from a faucet further away from the well, according to site personnel. GPS: A0409178				GPS: A0409191A							

300024

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 4/9/08

Well ID/Well Info	GW - 20				GW - 21				GW - 48			
Address	2606 W. 42nd St.				2426 W. 40th St.				2616 W. 40th St.			
Well Location	Center of yard on eastern edge of property				Center of yd on northern edge of building				inside of building on the western edge of building			
Purge Start / Water Quality / Sample Time	Purge Start Time	09:05			Purge Start Time	10:25			Purge Start Time	11:20		
	Time	Temp °C	pH	Conductivity	Time	Temp °C	pH	Conductivity	Time	Temp °C	pH	Conductivity
	9:20	20.5	6.98	3.58	10:40	21.2	7.65	1.33	11:35	21.4	7.26	2.25
	9:25	20.8	6.88	3.54	10:45	21.9	7.60	1.34	11:40	21.5	7.24	2.24
	9:30	20.8	6.91	3.58	10:50	21.5	7.59	1.34	11:45	21.5	7.23	2.25
	Sample Time	9:32			Sample Time	10:55			Sample Time	11:28		
Weather	breezy & chilly, overcast and raining in the distance								partly sunny, breezy & mild			
Sample (preserved/unpreserved)	VOA	none			VOA	none			VOA	none		
	SVOA	HCl + Na_2SO_3			SVOA	HCl + $NaSO_3$			SVOA	HCl +		
	Metal	HNO_3			Metal	HNO_3			Metal	HNO_3		
Sampled By	Tom Elliot				Casey Sullivan				Casey Sullivan			
Remarks	GPS: A0409 1A5				GPS: A0409 1SC				GPS: A0409 1GB Sample collected from bathroom faucet - closest faucet to wellhead.			

240009

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 04/09/08

Well ID/Well Info	GW - 43				GW - 45				GW - 38			
Address	3901 Cessna				3816 Kermit Highway				2818 West 42nd			
Well Location	south-east side of property				west side of property				west side of property			
Purge Start / Water Quality / Sample Time	Purge Start Time	9:10			Purge Start Time				Purge Start Time	11:15		
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	9:25	18.2	7.41	0.92 ms	1023	17.7	7.07	3.88 ms	11:15	22.7	6.9	3.05 ms
	9:30	18.8	7.57	0.90 ms	1038	17.9	7.21	4.02 ms	11:30	22.6	7.03	3.03 ms
	9:35	19.1	7.62	0.88 ms	1042	18.3	7.25	4.02 ms	11:35	22.3	7.02	3.01 ms
					1047	18.4	7.22	4.02 ms	11:40	22.3	7.00	3.01 ms
	Sample Time	9:45			Sample Time	10:55			Sample Time	11:45		
Weather												
Sample (preserved/unpreserved)	VOA	✓ unpreserved			VOA	✓ unpreserved			VOA	✓ unpreserved		
	SVOA	✓			SVOA	✓			SVOA			
	Metal	✓ preserved w/ HNO_3			Metal	✓ preserved w/ HNO_3			Metal	✓ preserved w/ HNO_3		
Sampled By												
Remarks	GPS file: A040914A - no faucet close to the well, so took the sample from faucet inside the building (some 300 m from the well) - water not used for drinking & cooking				GPS file: A040915B - gw not used for cooking & drinking				GPS file: A040916A - gw used for cleaning but not cooking & drinking			

240010

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 04/09/08

Well ID/Well Info	GW - 18				GW - 37				GW -			
Address	2800 West 42nd				2800 West 42nd St.							
Well Location	north-east side of the property				north-west side of property							
Purge Start / Water Quality / Sample Time	Purge Start Time	13:50			Purge Start Time	1140			Purge Start Time			
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	1350	26.1	6.94	2.88 ms	1140	23.4	7.15	2.07 ms				
	1405	24.1	6.93	2.87 ms	1155	23.3	7.31	2.02 ms				
	1410	23.1	7.02	2.9 ms	1200	23.1	7.24	1.89 ms				
	1415	22.5	7.09	2.9 ms	1205	23.1	7.22	1.93 ms				
	1420	23.3	7.05	2.9 ms								
	Sample Time	1425			Sample Time	1207			Sample Time			
Weather												
Sample (preserved/unpreserved)	VOA	✓ unpreserved			VOA	✓ unpreserved			VOA			
	SVOA	—			SVOA	✓ preserved w/HCl+Na_2SO_3			SVOA			
	Metal	✓ preserved w/HNO_3			Metal	✓ preserved w/HNO_3			Metal			
Sampled By												
Remarks	GPS file: A040917A				GPS file: A040918A							

400011

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date: 04/10/08

Well ID/Well Info	GW - 44				GW - 46				GW - 47			
Address	2700 West 40th St.				3820 Kermit Hwy				3920 Kermit Hwy			
Well Location	South-east side of property				east side of property				South-east side of property			
Purge Start / Water Quality / Sample Time	Purge Start Time	8:55			Purge Start Time	0910			Purge Start Time	1000		
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	8:55	19.3	7.02	2.71 ms	0910	18.4	7.45	4.21	1000	16.5	7.6	3.87
	9:0	20.7	7.09	2.65 ms	0925	20.5	7.48	4.12	1015	18.1	7.6	3.87
	9:15	19.3	7.11	2.7 ms	0930	20.9	7.48	4.12	1020	18.4	7.6	3.84
	9:20	19.6	7.10	2.68 ms	0935	21.2	7.46	4.12	1025	18.3	7.6	3.84
	Sample Time	9:25			Sample Time	09:40			Sample Time	1030		
Weather	windy				- very high wind				sunny + windy			
Sample (preserved/unpreserved)	VOA	unpreserved			VOA	- unpreserved			VOA	✓		
	SVOA	✓ preserved w/ HCl+Na_2SO_3			SVOA	✓ preserved w/ HCl+Na_2SO_3			SVOA	✓		
	Metal	✓ preserved w/ HNO_3			Metal	✓ preserved w/ HNO_3			Metal	✓		
Sampled By												
Remarks	gw not used for drinking & cooking - duplicate GW-34 collected @ GW-44 (9:30)				GPS file: A041014A gw not used for cooking/drinking				GPS file: A041015B - 65 ft. deep well - well water not used for cooking/drinking			

400112

Angus Road Groundwater Plume, 4300 Block of Angus Road, Odessa, TX
Groundwater Monitoring Event (April 8-10, 2008)

Date:

Well ID/Well Info	GW - 36				GW -				GW -			
Address	2708 West 44th st.											
Well Location												
Purge Start / Water Quality / Sample Time	Purge Start Time	9:55			Purge Start Time				Purge Start Time			
	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity	Time	Temp	pH	Conductivity
	9:55	16.1	7.36	5.44 ms								
	10:10	18.3	7.00	5.46 ms								
	10:15	19.0	7.03	5.41 ms								
	10:20	18.8	7.11	5.44 ms								
	Sample Time	1025			Sample Time				Sample Time			
Weather	sunny + high winds											
Sample (preserved/unpreserved)	VOA				VOA				VOA			
	SVOA				SVOA				SVOA			
	Metal				Metal				Metal			
Sampled By	Micah Beard from Shaw											
Remarks	GPS file: A041015A											

240013

Reference 25