

Table 3. ANALYTICAL RESULTS - GROUNDWATER TREATMENT SYSTEM
SHERWOOD MEDICAL INDUSTRIES NPL SITE

Sample ID	Parameter	6/94	6/95	6/96	6/97	6/98	6/99	6/00	6/01	6/02	6/03	6/04	6/05	6/06	6/07	6/08	12/08 (2)	6/09	6/10	
Air Stripper Influent	PCE	NA	500	380	320	1,100	130	280	430	500	250/200	200	34	199	65	100	160/160	94	91	
	TCE	NA	27	<25	26	50	25	16	19	19	39/37	18	26	25	18	21	25/24	12	19	
	Acetone	NA	<1000	<1000	<24	<25	<500	<250	< 250	<250	<500/<500	<50	50	<3	<2.6	NA	NA	<1.0	<1.5	
	cis 1,2-DCE	NA	<25	<25	27	38	20	8.0l	13	12	26/26	14	22	19	10	12	11/11	8.2	16	
	trans 1,2-DCE	NA	<25	<25	<12	<1.0	<10	<5.0	< 5.0	<5.0	<10/<10	1.0	<1	<0.8	<0.83	<0.43	<0.43/<0.43	<0.47	<0.11	
	VC	NA	<25	<25	<23	<1.0	<10	<5.0	< 5.0	<5.0	<10/<10	<2.0	<1	1	<0.52	<0.22	<0.22/<0.22	<0.48	0.42 l	
Air Stripper Effluent	PCE	32	0.69	<0.50	<1.9	<2.0	<3.0	<3.0	<3.0	<3.0	13	<3.0	<3	<0.6	<0.65	<0.20	2.2/2.1	2.5	0.58 l	
	TCE	<13	<0.50	<0.50	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.9	<1.0	<1	<0.3	<0.71	<0.26	0.60 l/0.56 l	0.46 l	<0.13	
	Acetone	NA	<20	<20	<9.0	<25	<50	<50	<50	<50	<50	<50	<50	<3	<2.6	NA	NA	<1.0	5.2	
	cis 1,2-DCE	<13	<0.50	<0.50	<2.4	<1.0	<1.0	<1.0	<1.0	<1.0	3.4	<1.0	<1	1	<0.75	<0.22	0.72 l/0.76 l	0.43 l	<0.075	
	trans 1,2-DCE	<13	<0.50	<0.50	<2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.8	<0.83	<0.43	<0.43/<0.43	<0.47	<0.11	
	VC	<13	<0.50	<0.50	<4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.5	<0.52	<0.22	<0.22/<0.22	<0.48	<0.083	

Sample ID	Parameter	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	12/06	12/07	12/08 (1)	12/08 (3)	12/09	12/10	
Air Stripper Influent	PCE	NA	429	376	650	240	150	240	190	200	220	180	280	110	200			120	34	
	TCE	NA	<25	<25	31	19	16	18	36	14	25	15	24	40	17			23	17	
	Acetone	NA	<1000	<1000	<24	<50	<250	<250	<250	<250	<100	<50	<50	<2.6	<0.74	Not Sampled	Not Sampled	<1.0	<2.1	
	cis 1,2-DCE	NA	<25	<25	28	11	11l	13	19	<10	12	15	13	16	4.7			17	13	
	trans 1,2-DCE	NA	<25	<25	<12	1.1 l	<5.0	<5.0	<5.0	<10	<2.0	<1.0	<1	<0.83	0.62 l			<0.47	<0.47	
	VC	NA	<25	<25	<23	1.3 l	<5.0	<5.0	<5.0	<10	<2.0	<1.0	<1	<0.52	<0.91			0.70 l	<0.48	
Air Stripper Effluent	PCE	17	4.69	3.26	<1.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4	<0.65	<0.47	0.27 l	0.50 l	0.54 l	<0.43	
	TCE	<2.5	<0.50	<0.50	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.71	<0.30	<0.26	0.27 l	<0.39	<0.39	
	Acetone	NA	<20	<20	<9.0	<50	<50	<50	<50	<50	<50	<50	<50	<2.6	<0.74	<1.5	NA	<1.0	<2.1	
	cis 1,2-DCE	<2.5	0.62	<0.50	<2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.75	<0.34	0.36 l	0.60 l	<0.41	<0.41	
	trans 1,2-DCE	<2.5	<0.50	<0.50	<2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	
	VC	<2.5	<0.50	<0.50	<4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	

Note: All concentrations ug/l
"l" indicates estimated value
123/321 represents results of QA duplicate sample

12/08 (1) Collected 12/9/08
12/08 (2) Collected 12/22/08
12/08 (3) Collected 12/31/08

Table 4.
LAKE TALMADGE SURFACE WATER ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Well ID	Parameter	Unit	12/03	6/04	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SW-01	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1/<1	<1	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48/<0.48	<0.083	<0.48
	Acetone		1.1 J	<50	<50	<50/<50	<50	<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0/<1.0	<1.5	<2.1
	TCE		<0.50	<1.0	<1.0	<1/<1	<1	<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39/<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3/<3	<3	<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43/<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1/<1	<1	<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47/<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1/<1	<1	<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41/<0.41	<0.075	<0.41
	Total Chromium		1.6 J	<10	<10	<10/<10	<10	<3	1.54 I	1.54 I	<3	2.6 IV	<4.5	<4.5	<4.5/<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10	<10/<10	<10	<3	1.67 I	1.57 I	<3	2.68 IV	<4.5	<4.5	<4.5/<4.5	<1.3	<1.3
	Hardness	mg/L	36 J	20	48	52.5/56.6	28.3	33	31	34	29	33	36	38	35/35	39	39
	Alkalinity		20	45	28	14.7/15.9	12.6	<4	15	16	33	14	9.9	10	18/19	20	24
	Tot Diss Solids		140	88	140	118/132	130	126	170	86	150	110	84	140	120/120	140	120
	Tot Susp Solids		<5.0	120	10	7/4	3	4	<3	3	9	<3	<3.0	4	<2/2.0	<2	2
SW-02	Vinyl Chloride	Ug/L	<1.0	<1.0/<1.0	<1.0	<1	<1	<0.5	<0.52/<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		1.2 J	<50/<50	<50	<50	<50	<3	<2.6/<2.6	<2.6	<0.74	na	na	<1.0	<1.0	<1.5	<2.1
	TCE		<0.50	<1.0/<1.0	<1.0	<1	<1	<0.3	<0.71/<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0/2.0	<3.0	<3	<3	<0.6	<0.65/<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0/<1.0	<1.0	<1	<1	<0.8	<0.83/<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0/<1.0	<1.0	<1	<1	<0.3	<0.75/<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10/<10	<10	<10	<10	<3	1.74 I/1.74 I	1.36 I	<3	2.30 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10/<10	<10	<10	<10	<3	1.76 I/1.68 I	1.73 I	<3	2.62 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	44 J	20/33	46	48.5	32.3	31	25/32	28	27	33	32	38	39	36	37
	Alkalinity		20	20/19	78	18.5	12.3	14	14/15	4.9 I	21	16	9.3	19	10	21	23
	Tot Diss Solids		120	200/160	170	134	122	106	180/180	120	140	120	78	120	130	130	130
	Tot Susp Solids		<5.0	10/15	46	4	4	5	<3/<3	<3	49	<3	4.0	3	3	<2	2
SW-03	Vinyl Chloride	Ug/L	<1.0/<1.0	<1.0	<1.0	<1	<1/<1	<0.5	<0.52	<0.52	<0.91	<0.22/<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0/<10.0	<50	<50	<50	<50/<50	<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0	<1.5	<2.1
	TCE		<0.50/<0.50	<1.0	<1.0	<1	<1/<1	<0.3	<0.71	<0.71	<0.30	<0.26/<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50/<0.50	<2.0	<3.0	<3	<3/<3	<0.6	<0.65	<0.65	<0.47	<0.20/<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50/<0.50	<1.0	<1.0	<1	<1/<1	<0.8	<0.83	<0.83	<0.58	<0.43/<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50/<0.50	<1.0	<1.0	<1	<1/<1	<0.3	<0.75	<0.75	<0.34	<0.22/<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0/1.5 J	<10	<10	<10	<10/<10	<3	1.45 I	1.65 I	<3	2.71 IV/2.65 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0/<5.0	<10	<10	58	<10/<10	<3	1.49 I	1.55 I	<3	2.74 IV/2.63 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	40 J/40 J	34	42	40.4	30.3/28.3	32	32	32	26	31/33	36	40	35	36	33
	Alkalinity		20/20	25	11	13	13.6/14	18	15	5.1 I	20	15/14	12	17	20	21	24
	Tot Diss Solids		130/140	190	150	112	100/114	78	160	130	130	110/110	90	130	130	140	120
	Tot Susp Solids		<5.0/<5.0	100	85	2	9/3	<3	<3	<3	<3	<3/<3	4.0	<3.0	<2	<2	3
SW-04	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1	<1	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48/<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50	<50	<50	<3	<2.6	<2.6	<0.74	na	na	<1.0/<1.0	<1.0	<1.5	<2.1
	TCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.71	<0.71	<0.3	<0.26	<0.26	<0.39/<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<50	<3	<3	<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43/<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47/<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41/<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	<10	12	<10	<3	1.61 I	1.55 I	<3	2.51 IV	<4.5	<4.5/<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10	34	<10	<3	1.93 I	<1.2	<3	2.96 IV	<4.5	<4.5/<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	40 J	27	48	44.4	30.3	31	32	31	28	32	36	36/36	37	32	43
	Alkalinity		20	23	13	12.6	14.2	18	15	5.0 I	22	14	11	<1.5/15	18	21	23
	Tot Diss Solids		130	88	160	108	98	88	140	130	130	110	100	120/140	120	130	110
	Tot Susp Solids		<5.0	24	57	<2	<3	4	4	<3	10	<3	3.0	3/<3.0	<2	3	<2

Notes: "J" or "I" indicates estimated concentration

Table 4.
LAKE TALMADGE SURFACE WATER ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Well ID	Parameter	Unit	12/03	6/04	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SW-05	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1	<1	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22/<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50	<50	<50	<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0	<1.5	<2.1
	TCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.71	<0.71	<0.3	<0.26	<0.26/<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3	<3	<0.6	<0.65	<0.65	<0.47	<0.20	<0.20/<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.8	<0.83	<0.83	<0.58	<0.43	<0.43/<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.75	<0.75	<0.34	<0.22	<0.22/<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	<10	<10	<10	<3	1.34 I	1.33 I	<3	2.66 IV	<4.5/<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10	<10	<10	<3	1.98 I	1.82 I	<3	2.19 IV	<4.5/<4.5	<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	36 J	29	44	44.4	32.3	32	32	32	28	32	34/32	36	33	39	36
	Alkalinity		20	23	<10	12.4	13.1	18	16	6.5 I	21	15	11/12	37 I	19	20	24
	Tot Diss Solids		140	96	150	158	114	108	140	110	130	100	66/100	130	140	120	110
	Tot Susp Solids		<5.0	9.0	8.0	<2	<3	<4	3	<3	<3	<3	8.0/9.0	3	<2	2	<2
SW-06	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1	<1	<0.5	<0.52	<0.52	<0.91/<0.91	<0.22	<0.22	<0.48	<0.48	<0.083/<0.082	<0.48/<0.48
	Acetone		<10.0	<50	<50	<50	<50	<3	<2.6	<2.6	<0.74/<0.74	na	na	<1.0	<1.0	<1.5/<1.5	<2.1/<2.1
	TCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.71	<0.71	<0.30/<0.30	<0.26	<0.26	<0.39	<0.39	<0.13/<0.13	<0.39/<0.39
	PCE		<0.50	<2.0	<3.0	<3	<3	<0.6	<0.65	<0.65	<0.47/<0.47	<0.20	<0.20	<0.43	<0.43	<0.099/<0.099	<0.43/<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.8	<0.83	<0.83	<0.58/<0.58	<0.43	<0.43	<0.47	<0.47	<0.11/<0.11	<0.47/<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.75	<0.75	<0.34/<0.34	<0.22	<0.22	<0.41	<0.41	<0.075/<0.075	<0.41/<0.41
	Total Chromium		1.2 J	<10	<10	<10	<10	<3	1.44 I	1.81 I	<3.0/<3	2.61 IV	<4.5	<4.5	<4.5	<1.3/<1.3	<1.3/<1.3
	Filt. Chromium		1.2 J	<10	<10	<10	<10	<3	1.96 I	1.55 I	<3.0/<3	2.65 IV	<4.5	<4.5	<4.5	<1.3/<1.3	<1.3/<1.3
	Hardness	mg/L	40 J	27	48	40.4	28.3	33	32	32	31/28	32	34	38	39	33/35	42/39
	Alkalinity		20	<10	<10	11.4	15.1	18	14	6.5 I	9.4 I/22	13	10	17	20	20/20	24/25
	Tot Diss Solids		140	120	98	158	104	86	130	86	110/120	100	110	130	130	120/130	110/130
	Tot Susp Solids		<5	2	410	<3	<3	4	<3	9	<3/3	3	5.0	<3	2	<2/3	5/4
SW-07	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0/<1.0	<1	<1	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50/<50	<50	<50	<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0	<1.5	<2.1
	TCE		<0.50	<1.0	<1.0/<1.0	<1	<1	<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0/<3.0	<3	<3	<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0/<1.0	<1	<1	<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0/<1.0	<1	<1	<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	<10/<10	<10	<10	<3	1.64 I	1.22 I	<3	2.56 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10/<10	<10	<10	<3	1.88 I	<1.2	<3	2.65 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	32 J	29	52/52	44.4	52.5	34	28	30	27	34	32	36	35	38	41
	Alkalinity		20	24	<10/11	25.5	14.4	19	15	13	21	15	10 I	19	19	20	24
	Tot Diss Solids		140	<160	82/76	138	114	110	140	82	110	100	94	120	120	140	120
	Tot Susp Solids		<5.0	3	16/11	<3	<3	4	5	10	3	<3	4.0	3	<2	<2	2
SW-08	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1	<1	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50	<50	<50	<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0	<1.5	<2.1
	TCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.71	<0.65	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3	<3	<0.6	<0.65	<0.71	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1	<1	<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	<10	<10	<10	<3	1.94 I	1.27 I	<3	2.83 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		1.5 J	<10	<10	<10	<10	<3	1.79 I	1.43 I	<3	2.69 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Hardness	mg/L	36 J	29	52	40.4	30.3	33	31	31	28	31	36	38	39	36	33
	Alkalinity		20	27	10	12	14.7	19	15	13	19	21	9.8	14	18	20	22
	Tot Diss Solids		140	130	84	118	110	72	160	110	130	100	86	110	120	130	110
	Tot Susp Solids		<5.0	10	440	<3	<3	5	5	10	4	<3	6.0	4	<2	<2	6

Notes: "J" or "I" indicates estimated concentration

Table 5.
LAKE MILLER SURFACE WATER ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Well ID	Parameter	Unit	12/03	6/04	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SW-01	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1/<1	Lake Miller could not be sampled due to excessive surface vegetation on the lake.	<0.5	<0.52	<0.52	<0.52	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50	<50/<50		<3	<2.6	<2.6	<0.74	na	na	<1.0	3.3	4.2 I	<2.1
	TCE		<0.50	<1.0	<1.0	<1/<1		<0.3	<0.72	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3/<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1/<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1/<1		2	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	18	<10/<10		<3	2.21 I	2.78 I	<3	3.5 IV	<4.5	<4.5	<4.5	1.42 I	1.36 I
	Filt. Chromium		<5.0	<10	<10	<10/<10		<3	2.53 I	2.14 I	<3	3.57 IV	<4.5	<4.5	<4.5	<1.3	1.60 I
	Hardness	mg/L	44 J	33	270	40.4/40.4		46	39	32	24	32	36	36	23	34	32
	Alkalinity		20	44	12	12.2/11.9		54	34	30	17	34	12	16	17	25	24
SW-02	Tot Diss Solids		130	170	340	120/136		206	180	130	180	150	140	130	130	150	150
	Tot Susp Solids		12	4	130	<2.0/2		12	<3	15	6	<3	4.0	<3.0	<2	15	15
	Vinyl Chloride	Ug/L	<1.0/<1.0	<1.0/<1.0	<1.0	<1		<0.5	<0.52	<0.52	<0.52	<0.22/<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		<10.0/<10.0	<50/<50	<50	<50		<3	<2.6	<2.6	2.3 I	na	na	<1.0	3.2	2.5 I	<2.1
	TCE		<0.50/<0.50	<1.0/<1.0	<1.0	<1		<0.3	<0.71	<0.20	<0.30	<0.26/<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50/<0.50	<2.0/<2.0	<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20/<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50/<0.50	<1.0/<1.0	<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43/<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50/<0.50	<1.0/<1.0	<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22/<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0/<5.0	<10/<10	<10	<10		<3	1.57 I	2.32 I	<3	3.57 IV/3.50 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0/<5.0	<10/<10	<10	<10		<3	4.1 I	2.39 I	<3	3.15 IV/3.60 IV	<4.5	<4.5	<4.5	<1.3	1.56 I
	Hardness	mg/L	44 J/32 J	38/34	44	44.4		45	28	32	24	32/36	38	36	25	34	36
	Alkalinity		20/20	47/41	12	10.5		55	34	32	18	34/34	<1.8	12	18	24	24
SW-03	Tot Diss Solids		130/130	220/190	210	124		208	170	140	170	150/150	130	130	160	140	130
	Tot Susp Solids		<5.0/7.0	59/33	75	6		11	<3	18	<3	<3/<3	<3.0	5	8	<2.0	22
	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1		<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083/<0.083	<0.48
	Acetone		1.0 J	<50	<50	<50		<3	<2.6	<2.6	<0.74	na	na	<1.0	3.5	2.9 I/2.7 I	<2.1
	TCE		<0.50	<1.0	<1.0	<1		<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13/<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099/<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11/<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075/<0.075	<0.41
	Total Chromium		<5.0	<10	<10	<10		<3	2.64 I	2.71 I	<3	3.58 IV	<4.5	<4.5	<4.5	<1.3/<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10	<10		<3	2.61 I	1.95 I	<3	4 IV	<4.5	<4.5	<4.5	<1.3/<1.3	1.42 I
	Hardness	mg/L	40 J	35	56	36.4		45	32	28	25	32	40	34	25	32/35	24
	Alkalinity		20	47	16	10.5		54	35	22	29	35	14	13	19	26/27	24
SW-04	Tot Diss Solids		130	250	270	118		162	170	130	180	150	120	110	180	160/160	130
	Tot Susp Solids		<5.0	4	13	2		7	<3	82	3	<3	<3.0	3	<2	<2.0/5	6
	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1		<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48/<0.48	<0.48/<0.48	<0.083	<0.48
	Acetone		<10.0	<50	<50	<50		<3	<2.6	<2.6	<0.74	na	na	<1.0/<1.0	2.4 I/2.8 I	2.5 I	<2.1
	TCE		<0.50	<1.0	<1.0	<1		<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39/<0.39	<0.39/<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43/<0.43	<0.43/<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47/<0.47	<0.47/<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41/<0.41	<0.41/<0.41	<0.075	<0.41
	Total Chromium		1.4 J	<10	<10	<10		<3	2.35 I	2.82 I	<3	3.77 IV	<4.5	<4.5/<4.5	<4.5/<4.5	1.83 I	<1.3
	Filt. Chromium		<5.0	<10	<10	<10		<3	3.07 I	2.73 I	3.35 I	3.52 IV	<4.5	<4.5/<4.5	<4.5/<4.5	<1.3	1.42 I
	Hardness	mg/L	36 J	36	44	46.5		43	35	32	28	34	34	36/35	27	30	29
	Alkalinity		20	37	24	10.6		52	33	29	30	34	16	13/7.9 I	18	23	21
	Tot Diss Solids		120	200	220	132		194	170	120	170	130	130	120/130	160	130	130
	Tot Susp Solids		52	38	21	<2.0		4	<3	73	<3	<3	<3.0	<3.0/3.0	<2	3	4

Notes: "J" or "I" indicates estimated concentration

Table 5.
LAKE MILLER SURFACE WATER ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Well ID	Parameter	Unit	12/03	6/04	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SW-05	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1	Lake Miller could not be sampled due to excessive surface vegetation on the lake.	<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		1.2 J	<50	<50	<50		<3	<2.6	<2.6	4.2 I	na	na	<1.0	<1.0	2.4 I	<2.1
	TCE		<0.50	<1.0	<1.0	<1		<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.41	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		0.12J	<1.0	<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	17	<10	<10		<3	2.62 I	6.65 I	<3	3.4 IV	<4.5	<4.5	<4.5	<1.3	<1.3
	Filt. Chromium		<5.0	<10	<10	<10		<3	2.93 I	2.69 I	<3	3.56 IV	<4.5	<4.5	<4.5	<1.3	1.69 I
	Hardness	mg/L	36 J	35	36	42.4		42	32	32	28	32	36	36	23	32	25
	Alkalinity		22	43	13	12.3		51	33	32	30	34	18	13	20	26	25
Tot Diss Solids	130		190	180	130	176		170	140	190	160	170	120	160	140	150	
Tot Susp Solids	<5.0		84	6.0	4	4		3	55	<3	<3	10	7	2	<2.0	3	
SW-06	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1		<0.5	<0.52	<0.52	<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		1.4J	<50	<50	<50		<3	<2.6	<2.6	<0.74	na	na	<1.0	<1.0	3.0 I	<2.1
	TCE		<0.50	<1.0	<1.0	<1		<0.3	<0.71	<0.71	<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		0.12 J	<1.0	<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		<5.0	<10	<10	<10		<3	2.5 I	1.51 I	<3	3.52 IV	<4.5	<4.5	<4.5	<1.3	1.53 I
	Filt. Chromium		<5.0	<10	<10	<10		<3	2.82 I	2.54 I	<3	3.27 IV	<4.5	<4.5	<4.5	<1.3	1.52 I
	Hardness	mg/L	36 J	34	48	48.5		41	36	35	27	36	40	36	27	32	28
	Alkalinity		22	24	20	13.1		49	33	31	26	33	19	8.7 I	19	26	27
Tot Diss Solids	130		200	200	142	156		200	130	170	170	160	130	190	150	140	
Tot Susp Solids	<5.0		220	49	<2.0	15		3	37	<3	<3	<3.0	<3.0	2	3	9	
SW-07	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0/<1.0	<1		<0.5	<0.52	<0.52	<0.91	<0.22	<0.22/<0.22	<0.48	<0.48	<0.083	<0.48
	Acetone		1.2 J	<50	<50/<50	<50		<3	<2.6	<2.6	1.5 I	na	na	<1.0	<1.0	6.1	<2.1
	TCE		<0.50	<1.0	<1.0/<1.0	<1		<0.3	<0.71	<0.71	<0.30	<0.26	<0.26/<0.26	<0.39	<0.39	<0.13	<0.39
	PCE		<0.50	<2.0	<3.0/<3.0	<3		<0.6	<0.65	<0.65	<0.47	<0.20	<0.20/<0.20	<0.43	<0.43	<0.099	<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0/<1.0	<1		<0.8	<0.83	<0.83	<0.58	<0.43	<0.43/<0.43	<0.47	<0.47	<0.11	<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0/<1.0	<1		<0.3	<0.75	<0.75	<0.34	<0.22	<0.22/<0.22	<0.41	<0.41	<0.075	<0.41
	Total Chromium		7.2	11	<10/<10	<10		<3	2.29 I	2.04 I	<3	3.81 IV	<4.5/<4.5	<4.5	<4.5	4.59 I	1.32 I
	Filt. Chromium		<5.0	<10	<10/<10	<10		<3	2.40 I	2.22 I	<3	3.62 IV	<4.5/<4.5	<4.5	<4.5	<1.3	1.35 I
	Hardness	mg/L	36 J	36	48/40	36.4		40	34	32	28	32	32/44	39	25	31	28
	Alkalinity		20	40	12/15	12.2		49	33	30	32	33	17/18	15	21	25	24
Tot Diss Solids	130		220	210/160	152	182		190	130	190	160	140/140	110	180	150	140	
Tot Susp Solids	22		28	8.0/6.0	3	5		<3	97	3	<3	<3.0/<3.0	<3.0	3	2	28	
SW-08	Vinyl Chloride	Ug/L	<1.0	<1.0	<1.0	<1		<0.5	<0.52/<0.52	<0.52	<0.91/<0.91	<0.22	<0.22	<0.48	<0.48	<0.083	<0.48/<0.48
	Acetone		1.1 J	<50	<50	<50		<3	<2.6/<2.6	<2.6	<0.74/<0.74	na	na	<1.0	2.9	3.1 I	<2.1/<2.1
	TCE		<0.50	<1.0	<1.0	<1		<0.3	<0.71/<0.71	<0.71	<0.30/<0.30	<0.26	<0.26	<0.39	<0.39	<0.13	<0.39/<0.39
	PCE		<0.50	<2.0	<2.0	<3		<0.6	<0.65/<0.65	<0.65	<0.47/<0.47	<0.20	<0.20	<0.43	<0.43	<0.099	<0.43/<0.43
	trans-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.8	<0.83/<0.83	<0.83	<0.58/<0.58	<0.43	<0.43	<0.47	<0.47	<0.11	<0.47/<0.47
	cis-1,2-DCE		<0.50	<1.0	<1.0	<1		<0.3	<0.75/<0.75	<0.75	<0.34/<0.34	<0.22	<0.22	<0.41	<0.41	<0.075	<0.41/<0.41
	Total Chromium		7.4	<10	<10	<10		<3	2.29 I/2.51 I	2.28 I	<3/<3	3.93 IV	<4.5	<4.5	<4.5	<1.3	1.37 I/<1.3
	Filt. Chromium		<5.0	<10	<10	<10		<3	2.42 I/2.28 I	2.41 I	<3/<3	3.45 IV	<4.5	<4.5	<4.5	<1.3	1.46 I/..55 I
	Hardness	mg/L	40 J	36	48	48.5		42	32/28	44	25/26	36	36	38	25	36	24/27
	Alkalinity		20	41	<10	12.5		41	35/34	49	30/19	33	16	8.2 I	20	23	24/25
Tot Diss Solids	130		200	170	132	180		200/200	150	170/160	150	150	110	160	140	140/130	
Tot Susp Solids	200		130	140	<2	8		<3/<3	4	<3/3	3	<3.0	3	<2	15	17/17	

Table 6.
LAKE TALMADGE SEDIMENTS ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Station	Parameter		12/03	6/04 PVC	6/04 E	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SED-01	Vinyl Chloride	Lower Inorganic	<7.1	<3.0	NC	<10	<1	<1	<0.8	<0.8	<0.9	<1.2	<0.2	<0.3	<0.3	<0.2<0.3	<0.3	<0.2
	Acetone		11 J	<60	NC	<190	<22	<27	2.5	55.9	8.7	<4.9	na	40	15	14/33	11	11
	TCE		<3.6	<3.0	NC	13	<1	<1	<0.5	<0.5	<0.6	<0.8	<0.6	<0.8	<0.4	<0.3<0.4	<0.4	<0.3
	PCE		<3.6	<9.0	NC	<29	<2	<3	<0.7	<0.6	<0.7	<1.2	<0.4	<0.4	<0.6	<0.5/<0.7	<0.7	<0.5
	trans-1,2-DCE		<3.6	<3.0	NC	<10	<1	<1	<1.2	<1.1	<1.3	<1.4	<0.4	<0.4	<0.3	<0.2/<0.3	<0.3	<0.2
	cis-1,2-DCE		<3.6	<3.0	NC	<10	<1	<1	<1.1	<1.0	<1.2	<1.4	<0.3	<0.3	<0.3	<0.2/<0.4	<0.4	<0.3
	Chromium (mg/kg)		0.19	<1.0	NC	<56	<1.3	3.3	0.8	2.04	1.56	28.1	2.57 IV	2.43 IV	1.63	<0.762/1.41 I	1.21	0.584 I
SED-02	% Solid		76.7	70	NC	9.0	79	59	78.7	66.84	67.7	69.37	76.23	77.27	75.03	72.15/67.23	73.19	74.52
	Total Organic Carbon		4.1	18,000	NC	3,810	3700	14	13000	1700	1700	19000	17000	24000	1800	15000/7500	4700	5400
	Vinyl Chloride	Lower Inorganic	<7.0	<2.8	<0.90/<0.80	<1.2	<5	>1	<0.8	<2.0/<4.2	<1.3	<1.2	<0.2	<0.3	<0.3	<0.6	<0.3	<0.2
	Acetone		<14.0	<55	<17/<17	<24	390	71	255	263/727	88	21	na	<1.4	19	130	28	21
	TCE		<3.5	<2.8	<0.90/<0.80	1.6	<5	<1	<0.5	<1.3/<2.8	<0.9	<0.7	<0.6	<0.8	<0.4	<0.9	<0.4	<0.3
	PCE		<3.5	<8.4	<2.0/<2.0	<3.7	<20	<5	<0.7	<1.6/<3.5	<1.1	<1.2	<0.4	<0.4	<0.6	<1.5	<0.8	<0.6
	trans-1,2-DCE		<3.5	<2.8	<0.90/<0.90	<1.2	<5	<1	<1.2	<3.0/<6.3	<1.9	<1.4	<0.4	<0.4	<0.3	<0.7	<0.4	<0.3
	cis-1,2-DCE		<3.5	<2.8	<0.90/<0.90	<1.2	<5	<1	<1.0	<2.6/<5.6	<1.7	<1.4	<0.3	<0.3	<0.3	<0.8	<0.4	<0.3
	Chromium (mg/kg)		0.51	<1.0/<1.0	NC	<7.0	18.4	2.7	2.6	11.52/22.3	3.55	0.755	3.48 IV	3.92 IV	2.75	6.78 I	2.96	2.22
SED-03	% Solid		77.4	74/68	77/70	74	19.6	61.4	66	25.33/19.77	46.95	71.46	76.81	69.75	77.26	39.09	64.84	73.63
	Total Organic Carbon		4	2400/960	NC	3,220	430000	20	52000	230000/81000	43000	170000	22000	190000	15000	140000	38000	14000
	Vinyl Chloride	Lower Inorganic	<7.0/<8.3	<3.8	<1.3	<1.3	<1	<1/<1	<0.8	<0.7	<0.8	<1.2	<0.2/<0.3	<0.3	<0.3	<0.2	<0.3	<0.4
	Acetone		11 J/4.5 J	<78	<25	<28	24	<24/<25	33.6	59.7	7.6	13	na	120	9.8	11	15	29
	TCE		<3.5/<4.2	<3.8	<1.3	2.3	10	<1/<1	<0.6	<0.5	<0.5	<0.7	<0.6/<0.7	<0.8	<0.4	<0.3	<0.4	<0.5
	PCE		<3.5/<4.2	<12	<3.8	<4.1	<2	<3/<3	<0.7	<0.6	<0.6	<1.2	<0.3/<0.4	<0.4	<0.6	<0.5	<0.7	<0.9
	trans-1,2-DCE		<3.5/<4.2	<3.8	<1.3	<1.3	<1	<1/<1	<1.3	<1.1	<1.1	<1.4	<0.3/<0.4	<0.4	<0.3	<0.2	<0.3	<0.4
	cis-1,2-DCE		<3.5/<4.2	<3.8	<1.3	<1.3	<1	<1/<1	<1.1	<1.0	<1.0	<1.4	<0.3/<0.3	<0.3	<0.3	<0.2	<0.4	<0.5
	Chromium (mg/kg)		0.53/0.23	<3.0	NC	<7.0	<1.3	<1.5/<1.4	2.4	<1.46	1.63	1.43	5.47 IV/4.62 IV	1.64 IV	1.5	1.01 I	0.587	1.42
SED-04	% Solid		76.5/67.5	37	60	69	78.4	65.1/68.5	73.8	68.51	78.87	72.93	79.46/78.96	74.04	72.1	72.4	73.4	55.67
	Total Organic Carbon		4.1/3.4	21,000	NC	3,410	11000	16/13	23000	3300	8100	8600	13000/19000	25000	5700	12000	7200	14000
	Vinyl Chloride	Lower Inorganic	<6.5	<4.0	<1.2	<1.4	<1	<1	<0.8	<0.8	<0.9	<1.2	<0.2	<0.3	<0.3/<0.3	<0.3	<0.3	<0.3
	Acetone		13.0 J	<79	<25	<28	31	50	26.5	29.5	3.9 I	16	na	<1.4	16/18	26	15	44
	TCE		<3.3	<4.0	<1.2	5.4	28	<1	<0.5	<0.5	<0.6	<0.7	<0.6	<0.8	<0.4/<0.4	<0.4	<0.4	<0.4
	PCE		<3.3	<12	<3.6	<4.3	<2	<4	<0.6	<0.6	<0.7	<1.2	<0.4	<0.4	<0.6/<0.6	<0.6	<0.7	<0.7
	trans-1,2-DCE		<3.3	<4.0	<1.2	<1.4	<1	<1	<1.2	<1.2	<1.3	<1.4	<0.4	<0.4	<0.3/<0.3	<0.3	<0.3	<0.3
	cis-1,2-DCE		<3.3	<4.0	<1.2	<1.4	<1	<1	<1.0	<1.0	<1.2	<1.4	<0.3	<0.3	<0.3/<0.3	<0.3	<0.4	<0.4
	Chromium (mg/kg)		0.35	1.9	NC	<8.0	3.6	3.2	2	<1.56	2.88	2.63	1.59 IV	3.74 IV	4.47/4.3	2.13 I	2.56	1.31
SED-04	% Solid		76.6	73	77	65	77.9	63.1	77.5	64.06	69.04	70.67	78.99	73.09	77.57/76.3	65.43	72.73	69.2
	Total Organic Carbon		3.9	4,300	NC	6,220	12000	18	26000	2500	11000	29000	11000	150000	10000/16000	18000	9900	19000

Note: All volatile compounds reported as ug/kg "J" or "I" indicates estimated concentration
41.3/60.4 indicates a duplicated sample Upper/lower layers not differentiated after 12/03 event
TOC Initially (12/03) reported as a %, subsequent samples reported as mg/kg (dry weight)
6/04 PVC/6/04 E - 2 samples collected, one with EnCore and 1 in PVC sampling device

Table 6.
LAKE TALMADGE SEDIMENTS ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Station	Parameter		12/03	6/04 PVC	6/04 E	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SED-05	Vinyl Chloride	Lower Inorganic	<9.7	<1.2	<0.80	<1.6	<1/<1	<1	<0.9	<0.8	<0.9	<1.2	<0.2	<0.3/<0.3	<0.3	<0.2	<0.3	<0.3
	Acetone		5.6 J	<25	<17	41	33/38	60	15.2	48.5	34	<4.6	na	<1.4/<1.4	17	11	<1.1	40
	TCE		<4.8	<1.2	<0.80	6.4	<1/<1	<1	<0.6	<0.5	<0.6	<0.7	<0.6	<0.8/<0.8	<0.4	<0.3	<0.4	<0.4
	PCE		<4.8	<3.7	<2.0	<5.1	<3/<3	<4	<0.7	<0.6	<0.7	<1.1	<0.3	<0.4/<0.4	<0.6	<0.6	<0.6	<0.7
	trans-1,2-DCE		<4.8	<1.2	<0.80	<1.6	<1/<1	<1	<1.3	<1.1	<1.3	<1.4	<0.3	<0.4/<0.4	<0.3	<0.3	<0.3	<0.3
	cis-1,2-DCE		<4.8	<1.2	<0.80	<1.6	<1/<1	<1	<1.2	<1.0	<1.1	<1.4	<0.3	<0.3/<0.3	<0.3	<0.3	<0.3	<0.3
	Chromium (mg/kg)		0.24	<1.0	NC	<10	1.9/2.8	<1.8	1.3	<1.45	2.45	2.04	2.58 IV	2.85 IV/3.24 IV	2.2	2.03 I	1.24	0.725
SED-06	% Solid		73.7	73	78	51	72.9/74.4	54.1	79.2	68.95	70.14	73.5	76.9	73.98/75.47	76.74	68.03	75.44	74.47
	Total Organic Carbon		3.4	2,800	NC	8,350	10000/10000	10	17000	10000	21000	28000	13000	160000/150000	6300	17000	20000	15000
	Vinyl Chloride	Lower Inorganic	<11.0	<1.0	<0.90	<1.5	<1	<1	<0.9	<0.7	<0.8	<1.1/<1.1	<0.3	<0.3	<0.3	<0.2	<0.3/<0.3	<0.2/<0.2
	Acetone		6.1 J	<26	<19	33	37	63	21.1	32	13	8.7/<4.4	na	<1.4	15	7.3	14/18	7/18
	TCE		<5.4	<1.0	<0.90	6.8	2	<1	<0.6	<0.5	<0.5	<0.7/<0.7	<0.7	<0.8	<0.4	<0.3	<0.4/<0.4	<0.2/<0.3
	PCE		<5.4	<4.0	<2.8	<4.3	<2	<4	<0.7	<0.6	<0.7	<1.0/<1.1	<0.4	<0.4	<0.6	<0.5	<0.7/<0.7	<0.5/<0.5
	trans-1,2-DCE		<5.4	<1.0	<0.90	<1.5	<1	<1	<1.3	<1.1	<1.2	<1.2/<1.3	<0.4	<0.4	<0.3	<0.2	<0.3/<0.3	<0.2/<0.3
	cis-1,2-DCE		<5.4	<1.0	<0.90	<1.5	<1	<1	<1.1	<0.9	<1.1	<1.2/<1.3	<0.3	<0.3	<0.3	<0.2	<0.4/<0.4	<0.3/<0.3
	Chromium (mg/kg)		0.45	<1.0	NC	<8.0	<1.3	<1.8	0.8	2.26	1.52	1.05/1.06	1.68 IV	2.9 IV	2.37	2.06 I	0.724 I	0.271 I/0.257 I
SED-07	% Solid		67.5	78	80	60	77.4	56.8	74.4	70.51	73.15	80.49/77.03	76.17	73.91	74.06	67.21	67.03	72.16/75.1
	Total Organic Carbon		1.6	3,800	NC	4,000	4600	14	16000	2600	8700	20000/28000	19000	8700	11000	12000	6700	5500/6400
	Vinyl Chloride	Lower Inorganic	<8.7	<10	<3.0	<1.1/<1.2	<2	<1	<0.9	<0.7	<0.8	<1.2	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3
	Acetone		7.0 J	190	<59	40/44	63	55	21.5	53.5	11	14	na	<1.4	16	25	13	14
	TCE		<4.3	<10	<3.0	5.8/7.1	4	<1	<0.6	<0.5	<0.5	<0.7	<0.6	<0.8	<0.4	<0.4	<0.4	<0.4
	PCE		<4.3	<29	<8.9	<3.5/<4.6	<4	<4	<0.8	<0.6	<0.7	<1.1	<0.4	<0.4	<0.6	<0.7	<0.7	<0.6
	trans-1,2-DCE		<4.3	<10	<3.0	<1.1/<1.2	<2	<1	<1.4	<1.1	<1.2	<1.4	<0.4	<0.4	<0.3	<0.3	<0.3	<0.3
	cis-1,2-DCE		<4.3	<10	<3.0	<1.1/<1.2	<2	<1	<1.2	<1.0	<1.1	<1.4	<0.3	<0.3	<0.3	<0.4	<0.4	<0.3
	Chromium (mg/kg)		0.32	<7.0	NC	<7.0/<7.0	<2	<1.8	2.2	3.62	2.46	2.94	4.76 IV	3.4 IV	2.58	2.08 I	1.45	5.64
SED-08	% Solid		68.8	14	27	74/73	50.6	55.1	72.6	67.32	75.47	73.6	71.23	71.76	78.25	70.05	73.27	73.7
	Total Organic Carbon		3.5	83,000	NC	3,580/3,880	13000	19	39000	7400	9100	18000	38000	7700	10000	14000	7600	13000
	Vinyl Chloride	Lower Inorganic	<7.3	<1.0	<1.0	<1.5	<1	<1	<0.8	<0.6	<0.8	<1.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.2
	Acetone		<15	<27	<17	82	32	<25	<0.7	52.4	3.4 I	16	na	<1.4	9.5	35	82	12
	TCE		<3.6	<1.0	<1.0	6.9	<1	<1	<0.6	<0.4	<0.5	<0.7	<0.7	<0.8	<0.4	<0.5	<0.4	<0.2
	PCE		<3.6	<4.0	<2.7	<4.6	<3	<3	<0.7	<0.5	<0.6	<1.1	<0.4	<0.4	<0.6	<0.8	<0.7	<0.4
	trans-1,2-DCE		<3.6	<1.0	<1.0	<1.5	<1	<1	<1.3	<0.9	<1.2	<1.4	<0.4	<0.4	<0.3	<0.4	<0.3	<0.2
	cis-1,2-DCE		<3.6	<1.0	<1.0	<1.5	<1	<1	<1.1	<0.8	<1.0	<1.4	<0.3	<0.3	<0.3	0.4 I	<0.3	<0.2
	Chromium (mg/kg)		0.34	<1.0	NC	<8.0	<1.4	<1.6	0.6	6.34	2.02	1.31	3.33 IV	2.5 IV	2.46	2.7 I	0.353 I	4.4
SED-08	% Solid		69.9	68	63	61	72.5	62.8	78.5	79.06	77.29	73.81	80.82	71.15	76.2	49.76	74.59	77.29
	Total Organic Carbon		3.7	<500	NC	13,000	3300	22	27000	3900	11000	32000	11000	4800	6000	23000	9800	7800

Note: All volatile compounds reported as ug/kg "J" or "I" indicates estimated concentration
41.3/60.4 indicates a duplicated sample Upper/lower layers not differentiated after 12/03 event
TOC Initially (12/03) reported as a %, subsequent samples reported as mg/kg (dry weight)
6/04 PVC/6/04 E - 2 samples collected, one with EnCore and 1 in PVC sampling device

Table 7.
LAKE MILLER SEDIMENTS ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Station	Parameter		12/03	6/04 PVC	6/04 E	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SED-01	Vinyl Chloride	Lower Inorganic	<76	<20	<10	<36	<6	Lake Miller could not be sampled due to excessive surface vegetation on the lake.	<0.8	<0.7	<1.0	<1.2	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3
	Acetone		210	910	340	<720	550		37.6	64.7	1.5	53	na	33	50	330	42	23
	TCE		<38	<20	<10	120	<6		<0.5	<0.5	<0.7	<0.7	<0.9	<0.7	<0.4	<1.4	<0.4	<0.4
	PCE		<38	<60	<31	<110	<22		<0.7	<0.6	<0.9	<1.1	<0.5	<0.4	<0.7	<2.4	<0.7	<0.7
	trans-1,2-DCE		<38	<20	<10	<36	<6		<1.2	<1.1	<1.6	<1.4	<0.5	<0.4	<0.3	<1.1	<0.3	<0.3
	cis-1,2-DCE		<38	<20	<10	<36	<6		<1.1	<0.9	<1.4	<1.4	<0.4	<0.3	<0.3	<1.3	<0.4	<0.4
	Chromium (mg/kg)		120	34	NC	<110	<7.3		0.4 I	<1.49	2.49	0.966	1.73 IV	1.15 IV	1.44 I	<3.39	0.375 I	0.195 I
	% Solid		10.2	9.7	NC	4.4	13.7		66.4	67.25	57.49	73.8	62.25	73.73	75.26	16.21	73.82	73.33
SED-02	Total Organic Carbon		42.90%	210,000	NC	221,000	25000		160000	12000	9600	160000	57000	7500	10000	94000	7200	8500
	Vinyl Chloride	Lower Inorganic	<62	<6.5/<11	<4.5/<6.3	<35	<3		<0.8	<0.7	<0.8	<1.6	<1.2/<4	<0.3	<0.4	<0.3	<0.3	<0.3
	Acetone		<120	<130/<230	<85/150	<700	36		24.9	47.6	23	34	na	30	70	<1.4	29	19
	TCE		<31	<6.5/<11	<4.5/<6.3	130	53		<0.5	<0.4	<0.5	<1.0	<3.0/<1.0	<0.7	<0.5	<0.5	<0.4	<0.4
	PCE		<31	<20/<34	<13/<20	<100	<3		<0.7	<0.6	<0.6	<1.5	<1.8/<0.6	<0.4	<0.9	<0.8	<0.7	<0.7
	trans-1,2-DCE		<31	<6.5/<11	<4.5/<6.3	<35	<1		<1.2	<1.0	<1.2	<1.8	<1.8/<0.6	<0.4	<0.4	<0.4	<0.3	<0.3
	cis-1,2-DCE		<31	<6.5/<11	<4.5/<6.3	<35	<1		<1.1	<0.9	<1.0	<1.8	2.5 I/<0.4	<0.3	<0.5	<0.4	<0.4	<0.4
	Chromium (mg/kg)		110	48/24	NC	<130	2.8		4.9	5.44	8.98	10.2	9.65 IV/9.56 IV	4.29 IV	6.39 I	6.14 I	5.02	2.12
	% Solid		9.6	23/15	20/19	4.0	70		72.3	73.04	76.97	54.33	18.11/45.67	77.07	53.57	60.62	71.88	69.52
SED-03	Total Organic Carbon		13.30%	69000/64000	NC	212,000	150000		27000	6600	37000	560000	310000/260000	3600	35000	16000	23000	13000
	Vinyl Chloride	Lower Inorganic	<17/43	<16	<10	<26	<18		<7.6	<1.1	<0.9	<11	<0.4	<0.3	<0.3	<0.3	<0.3/<0.3	<0.2
	Acetone		44/150	540	480	1,200	1,800		2.27	206	12	2000	na	28	47	150	20/16	9.5
	TCE		<8.5/<6.9	<16	<10	98	<18		<5.1	<0.7	<0.6	<6.6	<1.0	<0.7	<0.5	0.8 I	<0.4/<0.4	<0.3
	PCE		<8.5/<6.9	<49	<31	<75	<35		<6.3	<0.9	<0.8	<10	<0.6	<0.4	<0.8	<0.8	<0.7/<0.6	<0.4
	trans-1,2-DCE		<8.5/<6.9	<16	<10	<26	<18		<11.4	<1.6	<1.4	<12	<0.6	<0.4	<0.4	1.0 I	<0.3/<0.3	<0.2
	cis-1,2-DCE		<8.5/2.3 J	<16	<10	<26	<18		<10.1	<1.4	<1.3	<12	<0.5	<0.3	<0.4	2.1	<0.4/<0.3	<0.2
	Chromium (mg/kg)		3/6.1	25	NC	98	<8.8		6 I	2.65	5.15	3.96	3.04 IV	1.5 IV	4.24 I	1.09 I	2.04/2.64	1.51
	% Solid		41.3/60.4	10	9	6.1	11.4		7.71	46.2	63.6	8.01	53.03	75.67	61.18	73.81	73.85/77.41	72.3
SED-04	Total Organic Carbon		28.7%/NA	21,000	NC	219,000	160000		460000	9900	28000	36000	230000	22000	31000	15000	16000/10000	13000
	Vinyl Chloride	Lower Inorganic	<83	<42	<20	<30	<1		9.6	1.4	<0.9	<1.5	<0.6	<0.3	<0.3/<0.3	<0.8/<4.3	<1.3	<0.4
	Acetone		230	<830	<380	3200	73		25.5	165	30	83	na	56	61/14	430/1500	130	80
	TCE		<42	<42	<20	210	<1		<0.5	<0.5	<0.6	<0.9	<1.6	<0.7	<0.4/<0.4	<1.1/<6.0	<1.7	<0.5
	PCE		<42	<120	<58	<88	<3		<0.7	<0.6	<0.8	<1.5	<0.9	<0.4	<0.7/<0.6	<1.9/<10	<2.9	<0.8
	trans-1,2-DCE		<42	<42	<20	<30	<1		<1.2	<1.1	<1.4	<1.8	<0.9	<0.4	<0.3/<0.3	<0.9/<4.7	<1.4	<0.4
	cis-1,2-DCE		<42	<42	<20	<30	<1		1.1 I	<1.0	<1.2	<1.8	<0.7	<0.3	0.4 I/<0.3	1.8 I/<5.3	<1.6	<0.4
	Chromium (mg/kg)		24	190	NC	<94	1.8		5.5	1.73	2.36	3.63	4.44 IV	1.92 IV	4.46 I/5.39 I	4.32 I/9.04 I	0.749	0.505 I
	% Solid		12.9	4.7	5	5.3	70.2		73.9	68.46	66.6	56.76	34.18	65.84	73.32/78.86	25.48/6.96	16.77	69.79
SED-04	Total Organic Carbon		9.10%	30,000	NC	251,000	560000		15000	18000	15000	130000	290000	18000	14000/14000	150000/360000	250000	32000

Note: All volatile compounds reported as ug/kg "J" indicates estimated concentration
41.3/60.4 indicates a duplicated sample Upper/lower layers not differentiated after 12/03 event
TOC Initially (12/03) reported as a %, subsequent samples reported as mg/kg (dry weight)
6/04 PVC/6/04 E - 2 samples collected, one with EnCore and 1 in PVC sampling device

Table 7.
LAKE MILLER SEDIMENTS ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

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Station	Parameter		12/03	6/04 PVC	6/04 E	12/04	6/05	12/05	6/06	12/06	6/07	12/07	6/08	12/08	6/09	12/09	6/10	12/10
SED-05	Vinyl Chloride	Lower Inorganic	280	<35	<22	<32	<1/<1	Lake Miller could not be sampled due to excessive surface vegetation on the lake.	<0.8	3.5	<0.8	<1.3	<1.4	<0.4	1.0 I	0.4 I	<0.3	1.0 I
	Acetone		780	<670	<44	2,200	59/61		17.8	158	25	42	na	21	46	50	15	77
	TCE		<39	<35	<22	79	<1/<1		<0.6	1.3	<0.5	<0.8	<3.5	<0.9	0.5 I	<0.4	<0.4	<0.7
	PCE		<39	<100	<66	<94	<3/<3		<0.7	1.0 I	<0.7	<1.3	<2.1	<0.5	1.3 I	<0.7	<0.7	<1.2
	trans-1,2-DCE		<39	<35	<22	<32	<1/<1		<1.2	<1.0	<1.2	<1.5	<2.1	<0.5	<0.3	<0.3	<0.3	<0.5
	cis-1,2-DCE		11 J	<35	<22	<32	1/<1		<1.1	5.3	<1.0	<1.5	<1.6	<0.4	1.1 I	0.8 I	<0.4	0.9 I
	Chromium (mg/kg)		91	290	NC	<94	577.7		7.6	5.04	1.84	0.845	13.6 IV	10.8 V	2.18 I	<0.807	6.85	1.89
SED-06	% Solid	Lower Inorganic	10.4	5.2	5	5.3	74.5/68.7		70.3	75.19	76.36	65.04	15.48	58.35	72.75	68.19	68.33	27.13
	Total Organic Carbon		5.8	7,700	NC	214,000	31000/22000		35000	15000	24000	36000	150000	190000	58000	32000	28000	130000
	Vinyl Chloride		140	<43	60	73	14		29.4	<0.7	<0.8	<1.5	13	10	<1.8	3.1 I	<0.3	<0.4
	Acetone		600	1,700	1,300	4,000	200		372	76.8	14	38	na	260	990	280	19	56
	TCE		<38	<43	27	70	<2		<1.4	<0.5	<0.5	<0.8	3.6	<3.3	5.7	<1.4	<0.5	<0.5
	PCE		<38	<130	<40	<100	<4		<1.8	<0.6	<0.7	<1.2	<1.5	<2.0	<4.1	<2.4	<0.8	<0.9
	trans-1,2-DCE		<38	<43	<14	<35	<2		<3.2	<1.1	<1.2	<1.5	<1.5	<2.0	<1.9	<1.1	<0.4	<0.4
SED-07	cis-1,2-DCE		15 J	<43	80	120	5		3.7	<1.0	<1.1	<1.5	6.3	5.4 I	9.8	3.9 I	0.4 I	0.6 I
	Chromium (mg/kg)	Lower Inorganic	36	<20	NC	<110	2.1		11.9	<1.41	2.14	1.85	7.53 IV	16 IV	8.71	7.06 I	0.574	0.799 I
	% Solid		11.7	4.9	7	4.5	56.1		19	70.68	76.12	67.34	21.34	16.39	11.85	20.71	63.39	45.47
	Total Organic Carbon		14.2	84,000	NC	205,000	76000		220000	19000	37000	130000	55000	340000	310000	180000	37000	46000
	Vinyl Chloride		200	410	530	2.8/2.7	16		<10.8	30.1	<4.8	39	<2.4	9.4/4.9 I	35	4.4 I	9.7	6.1
	Acetone		1,100	1,900	2,100	380/370	1,200		2700	3790	2000 E	2100 L	na	240/400	1400	1000	350	<1.9
	TCE		<45	<27	<7.8	5.0/4.1	<8		<7.2	27.2	<3.2	<5.5	<6.3	<2.4/<4.9	8.3 I	<2.2	<1.9	<0.7
SED-08	PCE	Lower Inorganic	<45	<81	<23	<8.3/<6.9	<31		<9.0	<11.2	<4.0	<8.7	<3.7	<1.4/<2.9	8 I	<3.7	<3.2	<1.1
	trans-1,2-DCE		<45	<27	<7.8	<2.8/<2.4	<8		<16.2	<20.2	<7.3	<10	<3.7	<1.4/<2.9	<2.2	<1.8	<1.5	<0.5
	cis-1,2-DCE		16 J	<27	320	<2.8/<2.4	<8		<14.4	28.1	<6.5	<10	<2.8	4.6/4.9	21	5.4 I	<1.7	1.6 I
	Chromium (mg/kg)		16	13	NC	22/<7.0	15		13.4	18.7	22.4	23.3	21.3 IV	16.7 IV/23.1 IV	16.3	16.1 I	24.1	4.59
	% Solid		11	8.5	9	58/68	12.7		8.89	6.85	12.38	9.7	8.61	22.63/11.07	10.26	13.08	15.74	43.96
	Total Organic Carbon		18.3	360,000	NC	251,000/ 188,000	290000		560000	610000	530000	510000	270000	230000/ 370000	130000	370000	460000	140000
	Vinyl Chloride	Lower Inorganic	180	<6.0	<2.8	<16	<1		<0.8	26.7/6.6 I	25	<1.2/<9.5	0.9 I	<0.3	<0.3	<0.3	<0.3	<0.2/<0.3
SED-09	Acetone		550	1,800	<55	<320	45		21.4	2410/1910	1500	37/1900	na	28000	14000	20	21	12/15
	TCE		<25	<6.0	<2.8	30	27		<0.6	<5.2/<0.41	<4.1	<0.8/<6	<1.1	<0.7	<0.4	<0.4	<0.4	<0.3/<0.4
	PCE		<25	<18	<8.2	<46	7		<0.7	<6.6/<0.51	<5.1	<1.2/<9.4	<0.7	<0.4	<0.7	<0.7	<0.7	<0.6/<0.7
	trans-1,2-DCE		<25	<6.0	<2.8	<16	<1		<1.2	<11.8/<9.2	<9.1	<1.4/<11	<0.7	<0.4	<0.3	<0.3	<0.3	<0.3/<0.3
	cis-1,2-DCE		12 J	<6.0	<2.8	<16	<1		<1.1	29.3/<8.2	8.9 I	<1.4/<11	2 I	<0.3	<0.3	<0.4	<0.4	<0.3/<0.4
	Chromium (mg/kg)		30	12	NC	<88	3.2		9.2	30.2/32.2	35.1	0.445 I/6.21	5.22 IV	7.23 V	3.24	3.09 I	1.05	1.07/1.1
	% Solid		16.3	25	40	5.7	71.3		67.8	10.94/14.33	9.85	69.41/8.9	47.2	72.32	70.7	70.46	68.38	74.7/56.87
SED-10	Total Organic Carbon		42.2	31,000	NC	5,050	21000		18000	320000/260000	310000	15000/59000	67000	12000	23000	17000	28000	7800/3200

Note: All volatile compounds reported as ug/kg
41.3/60.4 indicates a duplicated sample
TOC Initially (12/03) reported as a %, subsequent samples reported as mg/kg (dry weight)
6/04 PVC/6/04 E - 2 samples collected, one with EnCore and 1 in PVC sampling device

Table 8.
QUALITY ASSURANCE ANALYTICAL RESULTS
SHERWOOD MEDICAL INDUSTRIES NPL SITE

	Sample ID	Type	Date	PCE	TCE	cis- 1,2-DCE	trans- 1,2-DCE	Vinyl Chloride	Acetone	Arsenic	Manganese
Groundwater	MW-202 DUP 20	Duplicate	1/5/2010	<0.43 <0.43	<0.39 <0.39	0.91 I 1.1	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	MW-204 DUP 101	Duplicate	12/29/2010	<0.43 <0.43	<0.39 <0.39	<0.41 <0.41	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	MW-120 DUP O2	Duplicate	12/29/2010	38 37	2.7 2.7	<0.41 <0.41	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	Takash Dup 1	Duplicate	12/14/2010	<0.43 0.44 I	<0.39 <0.39	1.1 0.94 I	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	SMWS Dup 2	Duplicate	12/14/2010	<0.43 <0.43	0.61 I 0.52 I	70 63	0.96 I 0.91 I	1.3 1.0	<2.1 <2.1	NA	NA
	MW-114 Dup01	Duplicate	12/23/2010	45 42	5.1 5	<0.41 0.45 I	<0.47 <0.47	<0.48 <0.48	<2.1 5.2	NA	NA
	Trip Blank 1	Trip Blank	12/14/2010	<0.43	<0.39	<0.41	<0.47	<0.48	<2.1	NA	NA
	Trip Blank 4	Trip Blank	12/28/2010	<0.43	<0.39	<0.41	<0.47	<0.48	<2.1	NA	NA
	Trip Blank 2	Trip Blank	1/5/2011	<0.43	<0.39	<0.41	<0.47	<0.48	<2.1	NA	NA
Lake Talmadge	SW-6 DUP	Duplicate	12/20/2010	<0.43 <0.43	<0.39 <0.39	<0.41 <0.41	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	SED-6 DUP	Duplicate	12/20/2010	<0.5 <0.5	<0.2 <0.3	<0.3 <0.3	<0.2 <0.3	<0.2 <0.2	7 18	NA	NA
	SW-8 DUP	Duplicate	12/21/2010	<0.43 <0.43	<0.39 <0.39	<0.41 <0.41	<0.47 <0.47	<0.48 <0.48	<2.1 <2.1	NA	NA
	SED-8 DUP	Duplicate	12/21/2010	<0.6 <0.7	<0.3 <0.4	<0.3 <0.4	<0.3 <0.3	<0.2 <0.3	12 15	NA	NA

Notes:

Table 9: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY
 Shallow Zone Water Quality Parameters

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	Sample Date	pH (SU)	TOC (mg/l)	ORP (mV)	Cond. (umhos)	Temp (C)	Turbidity (NTUs)
MC-1S	8/17/2005	7.2	140	-196	496	27	356
	9/19/2005	6.8	-	-226	288	25.7	387
	10/19/2005	6.6	54	-153	219	24.5	306
	12/20/2005	6.2	56	-	199	23.2	380
	3/14/2006	5.9	43	-	179	25.6	222
	6/29/2006	5.8	39	130	194	25.6	326
	12/11/2006	5.66	24	-8	171.5	24.1	75.6
	6/11/2007	5.08	16	280	116.1	28.9	34
	11/28/2007	4.88	19	46	146.7	25.2	71.6
	5/29/2008	5.19	12	172	138.8	25	53.1
	12/10/2008	5.19	8.6	-157	208	25.8	18.75
	6/19/2009	5.15	7.4	-111	191	28.9	10.06
	12/7/2009	5.17	5.4	187	289	28.9	13.94
	6/15/2010	4.87	5.3	224	303	28.3	10.38
	12/15/2010	5.31	7.2	248	256	20	13.81
MC-2S	8/17/2005	5.6	61	-136	214	25.4	207
	9/19/2005	6.2	-	-125	1743	25.8	284
	10/19/2005	4.6	590	-112	257	25.3	321
	12/14/2005	5.1	180	-	179	23.8	202
	3/14/2006	5.1	77	-	310	24.4	59.3
	6/28/2006	5.4	62	-125	202	25.3	400
	12/11/2006	5.35	49	-107	165.9	24.8	85
	6/11/2007	5.06	38	110	134.6	28.4	44.5
	11/28/2007	4.69	49	-136	182.1	25.8	130
	5/29/2008	5.09	36	-11	173.1	23.8	14.64
	12/10/2008	5.29	34	-97	275	25.6	18.9
	6/19/2009	4.86	25	285	167.3	26	19.38
	12/7/2009	4.94	20	7	182.6	25.5	68.7
	6/15/2010	5.03	14	-18	194	27.8	10.49
	12/15/2010	5.23	13	44	204	21.9	36.4
MC-3S	8/17/2005	5.4	11	-176	534	24.8	24.9
	9/19/2005	5.1	-	-124	465	25.3	48.3
	10/19/2005	4.9	10	-95	417	24.4	38.8
	12/14/2005	5.2	36	-	544	23.4	40.2
	3/13/2006	4.4	570	-	606	24.9	2.88
	6/29/2006	4.16	1500	-96	616	24.6	6.97
	12/11/2006	4.06	620	-105	502	24.6	21.7
	6/11/2007	4.52	360	-133	359	25.8	148
	11/27/2007	4.02	600	-30	514	25.6	16.12
	5/28/2008	4.78	580	-	410	24.3	150
	12/10/2008	3.71	660	-115	473	24	167
	6/19/2009	3.97	490	-144	392	25.3	15.06
	12/2/2009	3.23	820	-75	621	25.7	104
	6/15/2010	3.97	480	-144	425	28.2	219
	12/15/2010	4.62	410	-112	383	22.8	388
MC-4S	8/17/2005	5.6	59	-134	221	25.8	221
	9/19/2005	5.5	-	5	1913	25.6	211
	10/19/2005	5.4	71	-171	186	25.8	111
	12/14/2005	5	170	-	271	24.3	158
	3/13/2006	5.3	34	-	261	25.1	28.4
	6/28/2006	5.2	27	-137	241	26	79.9
	12/11/2006	5.72	21	-155	193	25.2	28
	6/11/2007	5.36	27	-133	193.3	26.4	41.6
	11/27/2007	5.03	43	-175	148.9	25.3	10.22
	5/28/2008	5.5	29	-29	171.8	24.1	15.54
	12/10/2008	4.59	29	-106	163.5	23.4	33.6
	6/19/2009	5.18	27	-86	173.6	24.8	29.9
	12/2/2009	4.99	20	-121	211	25.7	53.8
	6/15/2010	4.84	17	-130	176	28.6	17.49
	12/15/2010	5.63	14	-38	225	21.7	13.69
MC-5S	12/7/2009	6.12	73	-197	168.3	25.1	846
	6/15/2010	4.9	29	-135	143.1	28	225
	12/15/2010	5.72	23	-36	172.1	23.5	17.71

**Table 9: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**
Shallow Zone Metabolic Acids

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	Sample Date	Lactic acid (mg/l)	Acetic acid (mg/l)	Propionic acid (mg/l)	Butyric acid (mg/l)	Pyruvic acid (mg/l)
MC-1S	8/17/2005	0.5 U	0.35 U	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	0.185	0.108	0.07 U	0.07 U	0.07 U
	12/20/2005	0.515	0.142	0.411	0.07 U	0.07 U
	3/14/2006	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	6/29/2006	0.1 U	0.2	0.07 U	0.07 U	0.07 U
	12/11/2006	0.2	0.23	0.1	0.07 U	0.07 U
	6/11/2007	0.14	0.07 U	0.07 U	0.07 U	0.07 U
	11/28/2007	0.14	0.07 U	0.07 U	0.07 U	0.07 U
	5/29/2008	0.22	0.07 U	0.07 U	0.07 U	0.07 U
	12/10/2008	0.092 U	0.713	0.057 U	0.10 U	0.026 U
	6/19/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	12/7/2009	0.088 U	0.071 U	0.064 U	0.16 U	0.020 U
	6/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
MC-2S	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	8/17/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	945	70 U	70 U	1.02	2.04
	12/14/2005	121	32.3	53.6	7 U	7 U
	3/14/2006	1.98	34.4	36.2	9.04	0.07 U
	6/28/2006	1 U	9	4.2	1.1	0.58
	12/11/2006	0.13	1.3	1.1	0.12	0.07 U
	6/11/2007	0.13	0.07 U	0.07 U	0.07 U	0.07 U
	11/28/2007	0.13	0.07 U	0.07 U	0.07 U	0.07 U
	5/29/2008	0.23	0.26	0.17	0.07 U	0.07 U
	12/10/2008	0.092 U	0.065 U	0.057 U	0.1 U	0.026 U
	6/19/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	12/7/2009	0.088 U	0.071 U	0.064 U	0.16 U	0.020 U
MC-3S	6/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	8/17/2005	<0.1	0.07 U	0.07 U	0.07 U	<0.07
	9/19/2005	-	-	-	-	-
	10/19/2005	<0.1	0.07 U	0.07 U	0.07 U	<0.07
	12/14/2005	14.1	24	2.94	0.862	<0.7
	3/13/2006	690	94.2	24	2.45	5.28
	6/29/2006	1300	97	44	45	13
	12/11/2006	710	100	140	82	10
	6/11/2007	300	51	99	51	5.8
	11/27/2007	470	69	130	56	7.2
	5/28/2008	960	200	250	81	6.9
	12/10/2008	1020	90.5	240	91.5	4.49
	6/19/2009	590	60	190	35	3.3
MC-4S	12/2/2009	1300	100	330	110	4.4
	6/15/2010	27	99	320	190	0.14 U
	12/15/2010	1.2	89	190	87	0.14 U
	8/17/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	13.1	35.2	25	2.55	0.07 U
	12/14/2005	18.7	66.6	130	32.9	<7
	3/13/2006	1.35	8.13	10.7	5.5	0.07 U
	6/28/2006	0.1 U	0.89	0.07 U	0.07 U	0.07 U
	12/11/2006	2.1	3.6	6.4	2.5	0.5
	6/11/2007	0.12	0.07 U	0.07 U	0.07 U	0.07 U
	11/27/2007	0.45	0.08	0.07 U	0.07 U	0.07 U
	5/28/2008	0.26	0.21	0.07 U	0.07 U	0.07 U
	12/10/2008	0.092 U	0.065 U	0.057 U	0.10 U	0.026 U
MC-5S	6/19/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	12/2/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	6/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U

**Table 9: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**

Shallow Zone Alternate Electron Acceptors

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	Sample Date	DO (mg/l)	Nitrate (mg/l)	Iron (feric) (mg/l)	Sulfate (mg/l)	CO2 (mg/l)
MC-1S	8/17/2005	0.32	1	1 U	33	38
	9/19/2005	0.38	-	-	-	-
	10/19/2005	0.25	0.9	1 U	17	73
	12/20/2005	0.32	0.5 U	1 U	16	68
	3/14/2006	0.14	1.1	1 U	12	83
	6/29/2006	0.01	0.5 U	1 U	12	86
	12/11/2006	0.05	1	1 U	12	91
	6/11/2007	0.49	2.5	1 U	15	89
	11/28/2007	0.12	0.98	1 U	13	91
	5/29/2008	0.43	1	1 U	11	100
	12/10/2008	1.21	0.18 l	0.898	8.4	78.6
	6/19/2009	0.33	0.02 U	0.92	14 V	57.4
	12/7/2009	1.66	0.10 U	0.48	9.5	84.5
	6/15/2010	0.43	0.13 l	0.6	14	92.1
	12/15/2010	0.38	0.18 l	0.3	18	84.8
MC-2S	8/17/2005	0.06	1	1 U	41	120
	9/19/2005	0.23	-	-	-	-
	10/19/2005	0.15	2.9	1 U	24	160
	12/14/2005	0.25	0.5 U	1 U	11	190
	3/14/2006	0.13	0.5 U	1 U	13	180
	6/28/2006	0.02	1	1 U	13	180
	12/11/2006	0.2	1	1 U	14	150
	6/11/2007	0.36	0.5 U	1 U	16	120
	11/28/2007	0.06	0.95	1 U	15	110
	5/29/2008	1.1	0.5 U	1 U	17	120
	12/10/2008	1.23	0.004 U	3.7	15	80.3
	6/19/2009	0.48	0.020 U	1.5	10 V	83
	12/7/2009	1.09	0.1 U	0.99	9.6	113
	6/15/2010	0.53	0.19 l	0.61	8.9	110
	12/15/2010	0.6	0.19 l	1.2	8.4	102
MC-3S	8/17/2005	0.11	0.5 U	0.1 U	160	150
	9/19/2005	0.25	-	-	-	-
	10/19/2005	1.31	0.5 U	0.1 U	160	160
	12/14/2005	0.34	1	0.1 U	180	200
	3/13/2006	0.04	0.5 U	0.1 U	140	200
	6/29/2006	0.07	2.1	0.1 U	80	320
	12/11/2006	0.02	1.1	0.1 U	70	330
	6/11/2007	0.07	0.50 U	0.1 U	100	300
	11/27/2007	0.16	0.5 U	0.1 U	93	350
	5/28/2008	0.23	9.2	0.1 U	26	330
	12/10/2008	1.06	0.14 l	0.05 U	23	323
	6/19/2009	0.02	0.020 U	0.029 U	34 V	197
	12/2/2009	0.48	0.10 U	0.5	0.11 U	389
	6/15/2010	0.14	0.10 U	0.029 U	21 U	433
	12/15/2010	0.32	0.014 U	0.029 U	10	370
MC-4S	8/17/2005	0.19	1	1 U	49	120
	9/19/2005	0.14	-	-	-	-
	10/19/2005	0.18	1	1 U	12	140
	12/14/2005	0.28	2.4	1 U	7.9	270
	3/13/2006	0.06	0.5 U	1 U	40	190
	6/28/2006	0.01	1	1 U	45	130
	12/11/2006	0.27	7.7	1 U	36	130
	6/11/2007	0.17	0.50 U	1 U	30	160
	11/27/2007	0.08	0.96	1 U	13	150
	5/28/2008	0.34	0.98	1 U	13	140
	12/10/2008	1.14	0.49	3.05	15	79.1
	6/19/2009	0.11	0.02 U	3	11 V	101
	12/2/2009	0.24	0.10 U	2.7	16	90.6
	6/15/2010	0.15	0.14 l	1.5	13	111
	12/15/2010	0.74	0.21 l	1.2	17	108
MC-5S	12/7/2009	0.36	0.10 l	4.3	10	94.4
	6/15/2010	0.07	0.14 l	1.6	7.3	94
	12/15/2010	0.44	0.35 l	0.22	7.4	107

**Table 9: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**
Shallow Zone Chemicals of Concern

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	Sample Date	PCE (ug/L)	TCE (ug/L)	DCE (ug/L)	VC (mg/L)
MC-1S	8/17/2005	100 U	5 U	5 U	5 U
	9/19/2005	5	1	5	1 U
	10/19/2005	10	5 U	5 U	5 U
	12/20/2005	11	5 U	5 U	5 U
	3/14/2006	-	-	-	-
	6/29/2006	11	1.7	0.8	5 U
	12/11/2006	6.8	1.2	0.75 U	0.52 U
	6/11/2007	6.3	1.5	0.75 U	0.52 U
	11/28/2007	4.6	3	1.6	0.91 U
	5/29/2008	2.8	2	0.44 I	0.22 U
	12/10/2008	2.1	1.2	0.40 I	0.22 U
	6/19/2009	1.8	0.69 I	0.41 U	0.48 U
	12/7/2009	2.4	1	0.68 I	0.85 U
	6/15/2010	3	1	0.51 I	0.48 U
	12/15/2010	2.1	0.47 I	0.61 I	0.48 U
MC-2S	8/17/2005	11000	100	13	5 U
	9/19/2005	15000	120	41	1 U
	10/19/2005	13000	1200	590	5 U
	12/14/2005	8600	6300	6000	250 U
	3/14/2006	15000	18	39	5 U
	6/28/2006	2500	570	6700	250 U
	12/11/2006	1700	280	1000	3.6
	6/11/2007	400	97	130	0.88 I
	11/28/2007	1600	450	760	23 U
	5/29/2008	430	170	180	4.4 U
	12/10/2008	940	220	130	2.9
	6/19/2009	2800	260	76	4.8 U
	12/7/2009	1800	380	54	12 U
	6/15/2010	2600	300	32	9.6 U
	12/15/2010	1900	200	29	12 U
MC-3S	8/17/2005	11000	210	18	5 U
	9/19/2005	8200	150	16	1 U
	10/19/2005	8100	160	15	5 U
	12/14/2005	6000	320	58	5 U
	3/13/2006	12000	210	110	50 U
	6/29/2006	5600	140	66	1000 U
	12/11/2006	6000	210	53	5.2 U
	6/11/2007	2000	160	58	10 U
	11/27/2007	2800	290	230	9.1
	5/28/2008	2400	210	82	5.5 U
	12/10/2008	3000	300	230	0.71 I
	6/19/2009	3300	200	250	9.6 U
	12/2/2009	2700	420	330	2.4 U
	6/15/2010	4700	650	310	12 U
	12/15/2010	3600	690	260	24 U
MC-4S	8/17/2005	330	33	5 U	5 U
	9/19/2005	350	37	6	5 U
	10/19/2005	130	19	200	5 U
	12/14/2005	63	14	340	5 U
	3/13/2006	150	41	110	5 U
	6/28/2006	110	120	160	10 U
	12/11/2006	23	33	70	0.52 U
	6/11/2007	20	26	130	0.52 U
	11/27/2007	13	11	130	0.91 U
	5/28/2008	30	27	77	0.22 U
	12/10/2008	17	11	35	0.22 U
	6/19/2009	4.6	6.8	27	0.48 U
	12/2/2009	3.3	14	40	0.48 U
	6/15/2010	5.9	19	40	0.48 U
	12/15/2010	4.5	23	35	0.48 U
MC-5S	12/7/2009	0.43 U	1.8	13	0.48 U
	6/15/2010	0.43 U	2.6	25	0.48 U
	12/15/2010	0.43 U	0.80 I	14	0.48 U

**Table 9: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**

Shallow Zone Metabolic Byproduct Compounds

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	Sample Date	Sulfide (mg/l)	Iron (ferrous) (mg/l)	Manganese (mg/l)	Methane (ug/L)	Ethene (ug/L)
MC-1S	8/17/2005	2 U	6.3	1 U	11	1.9
	9/19/2005	-	-	-	-	-
	10/19/2005	2 U	2.2	1 U	18	0.55
	12/20/2005	2 U	1.6	1 U	23	0.65
	3/14/2006	2 U	1 U	1 U	19	0.15
	6/29/2006	2 U	1 U	1 U	20	0.097
	12/11/2006	2 U	1 U	1 U	67	1.4
	6/11/2007	2 U	1 U	1 U	12	0.22
	11/28/2007	2 U	1 U	1 U	36	0.047
	5/29/2008	2 U	1 U	1 U	24	0.036
	12/10/2008	0.45 U	0.2	0.011	12	0.3 U
	6/19/2009	0.45 U	0.14	0.016	10	0.4 U
	12/7/2009	0.45 U	0.6	0.019	36	0.4 U
	6/15/2010	0.45 U	0.41	0.0162	46	0.4 U
	12/15/2010	0.45 U	0.55	0.0183	26.6	1.6 U
MC-2S	8/17/2005	2 U	6.1	1 U	17	1.9
	9/19/2005	-	-	-	-	-
	10/19/2005	2 U	10	1 U	22	0.24
	12/14/2005	2 U	3.6	1 U	88	0.24
	3/14/2006	5	2.1	1 U	1200	0.35
	6/28/2006	4.1	1 U	1 U	5500	0.95
	12/11/2006	2 U	1.5	1 U	3600	0.84
	6/11/2007	2 U	1 U	1 U	350	0.27
	11/28/2007	2 U	1 U	1 U	420	0.21
	5/29/2008	2 U	1 U	1 U	110	0.081
	12/10/2008	0.45 U	0.042 U	0.006 U	24	0.3 U
	6/19/2009	0.45 U	0.11	0.0035 I	33	0.4 U
	12/7/2009	0.45 U	0.18	0.0029 I	35	0.4 U
	6/15/2010	0.60 I	0.037 U	0.0027 I	24	0.4 U
	12/15/2010	0.58 I	0.44	0.0036 I	19.4	1.6 U
MC-3S	8/17/2005	2 U	11	1 U	16	1.3
	9/19/2005	-	-	-	-	-
	10/19/2005	2 U	4.5	1 U	11	0.46
	12/14/2005	5.7	3.4	1 U	29	0.82
	3/13/2006	33	6.9	1 U	13	0.62
	6/29/2006	47	10	1 U	17	0.6
	12/11/2006	37	7.1	1 U	100	1.7
	6/11/2007	29	6.4	1 U	290	1.7
	11/27/2007	32	5.7	1 U	580	1.3
	5/28/2008	25	5.9	1 U	240	1.2
	12/10/2008	26	8.8	0.037	610	10 I
	6/19/2009	14	7.4	0.027	173	0.4 U
	12/2/2009	0.11 U	13	0.091	4010	72
	6/15/2010	7.6	9.6	0.039	357	2
	12/15/2010	15	5.2	0.0337	717	4
MC-4S	8/17/2005	2 U	6.8	1 U	16	0.26
	9/19/2005	-	-	-	-	-
	10/19/2005	2.6	4.3	1 U	64	0.31
	12/14/2005	9.2	8.9	1 U	310	0.38
	3/13/2006	11	2.6	1 U	290	0.19
	6/28/2006	2.8	3.5	1 U	850	0.11
	12/11/2006	6.7	2.3	1 U	250	0.22
	6/11/2007	2 U	2.9	1 U	1400	0.38
	11/27/2007	2 U	1.5	1 U	4400	0.1
	5/28/2008	2 U	2.6	1 U	2100	0.073
	12/10/2008	0.67 I	1.6	0.003 I	157	0.3 U
	6/19/2009	0.54 I	1.5	0.003 I	175	0.4 U
	12/2/2009	0.087 I	4.3	0.004 I	108	0.4 U
	6/15/2010	1.3	4.3	0.004 I	149	0.4 U
	12/15/2010	1.1	5.3	0.0045 I	119	1.6 U
MC-5S	12/7/2009	0.70 I	1.3	0.027	35	0.4 U
	6/15/2010	2.1	0.23	0.042 I	44	0.4 U
	12/15/2010	0.91 I	0.42	0.0017 I	132	1.6 U

Table 10: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY
 Deep Zone Water Quality Parameters

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	Sample Date	pH (SU)	TOC (mg/l)	ORP (mV)	Cond. (umhos)	Temp (C)	Turbidity (NTUs)
MC-1D	8/17/2005	5.2	9.8	-42	644	25.6	71.7
	9/19/2005	5.2	-	-100	501	25.6	84.3
	10/19/2005	5.2	5 U	-176	508	24.5	129
	12/20/2005	4.9	5 U	-	591	22.9	30.7
	3/14/2006	4.7	5 U	-	696	25.2	5.38
	6/29/2006	4.8	5 U	-34	682	25.1	13.22
	12/11/2006	4.7	5 U	-24	525	25	52.6
	6/11/2007	4.26	5 U	320	266	31.3	19
	11/28/2007	4.21	5 U	-65	416	24.9	59.4
	5/29/2008	4.43	5 U	15	429	24.8	130.3
	12/10/2008	4.08	2.2	-26	522	26	18.63
	6/19/2009	4.3	2.5	-44	387	29.3	7.91
	12/7/2009	4.49	2.2	-36	439	24.5	40.8
	6/15/2010	4.29	2.1	266	443	27.8	8.48
MC-2D	12/15/2010	4.69	2.7	-8	374	21.1	23
	8/17/2005	6.5	8.7	-110	912	25.3	9.53
	9/19/2005	6.5	-	-148	797	26	11.6
	10/19/2005	6.4	460	-123	876	25.2	3.63
	12/14/2005	3.8	7200	-	466	23.4	16.8
	3/14/2006	4	2700	-	317	25.7	3.71
	6/28/2006	4.4	2600	-97	1974	25.6	33.6
	12/11/2006	5.97	1700	-125	1195	24.9	102
	6/11/2007	6.94	54	-25	491	27.2	14
	11/28/2007	5.83	820	-194	283	25.8	16.24
	5/29/2008	6.48	150	-157	1061	23.9	18.4
	12/10/2008	6.4	32	-202	1200	25.6	13.32
	6/19/2009	6.45	36	-193	989	26.4	7.16
	12/7/2009	6.48	120	-267	1046	25.3	10.07
MC-3D	6/15/2010	6.43	110	-238	1048	27.9	4.35
	12/15/2010	6.47	72	-237	907	22.8	81.5
	8/17/2005	7	7.5	-133	1023	25	116
	9/19/2005	10.5	-	-390	768	24.6	166
	10/19/2005	6.4	2200	-141	1332	24.4	47.2
	12/14/2005	6.3	580	-	1898	27.8	26.7
	3/13/2006	6.2	530	-	1910	25.3	80.2
	6/29/2006	6	1100	-201	293	24.9	18.6
	12/11/2006	6.1	560	-223	1278	24.6	72.3
	6/11/2007	6.03	550	-196	1729	25.9	52.1
	11/27/2007	5.07	760	-128	177.8	25.1	148
	5/28/2008	6.41	690	-150	1863	24.3	67.2
	12/10/2008	5.56	900	-159	-	24.7	58.1
	6/19/2009	5.99	860	-235	2.74	26.7	18.91
MC-4D	12/2/2009	5.34	750	-182	2.37	26	26.4
	6/15/2010	6.25	260	-198	2.47	29.2	59.8
	12/15/2010	6.25	490	-144	1993	22.2	47.4
	8/17/2005	7	6.6	-178	957	26.4	29.4
	9/19/2005	6.8	-	-139	719	26.1	140
	10/19/2005	6.9	9.7	-135	787	25.4	79.8
	12/14/2005	6.9	38	-	978	24.1	28.1
	3/13/2006	6.5	140	-	1282	25	4.9
	6/28/2006	6.3	300	-209	1511	26	19.9
	12/11/2006	6.16	330	-188	1518	24.7	79.8
	6/11/2007	7.06	270	-217	737	26.2	67.2
	11/27/2007	6.13	350	-172	1489	24.6	17.37
	5/28/2008	10.28	71	-156	371	24.9	13.76
	12/10/2008	6.07	97	-190	736	24.3	27.4
MC-5D	6/19/2009	6.37	230	-280	1202	25.1	23.4
	12/2/2009	5.88	150	-203	883	25.7	1.12
	6/15/2010	6.9	6.6	-232	973	28	9.89
	12/15/2010	6.59	4.7	-131	860	22.4	6.75
	12/7/2009	6.27	8.1		618	24.6	54.4
	6/15/2010	6.5	16	-57	495	29.1	15.93
	12/15/2010	6.65	19	-127	505	24	20.5

**Table 10: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**

Deep Zone Metabolic Acids

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	Sample Date	Lactic acid (mg/l)	Acetic acid (mg/l)	Propionic acid (mg/l)	Butyric acid (mg/l)	Pyruvic acid (mg/l)
MC-1D	8/17/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	12/20/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	3/14/2006	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	6/29/2006	0.33	0.11	0.07 U	0.07 U	0.07 U
	12/11/2006	0.11	0.12	0.07 U	0.07 U	0.07 U
	6/11/2007	0.15	0.07 U	0.07 U	0.07 U	0.07 U
	11/28/2007	0.15	0.07 U	0.07 U	0.07 U	0.07 U
	5/29/2008	0.10 U	0.07 U	0.07 U	0.07 U	0.07 U
	12/10/2008	0.092 U	0.065 U	0.057 U	0.10 U	0.026 U
	6/19/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	12/7/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	6/15/2010					
	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
MC-2D	8/17/2005	0.1 U	0.07 U	0.07 U	0.072	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	863	70 U	7.12	0.903	2.04
	12/14/2005	1000 U	11600	700 U	36.8	24.1
	3/14/2006	5020	700 U	157	119	7.89
	6/28/2006	3000	700 U	160	170	0.7 U
	12/11/2006	710	170	380	240	10
	6/11/2007	400	160	360	120	4.1
	11/28/2007	320	230	510	190	16
	5/29/2008	76	200	230	69	11
	12/10/2008	0.092 U	47.2	1.43	0.10 U	0.026 U
	6/19/2009	0.088 U	58	9.6	0.16 U	0.020 U
	12/7/2009	0.088 U	120	73	20	0.020 U
	6/15/2010	0.44 U	130	74	14	0.14 U
	12/15/2010	0.44 U	64	21	1.4	0.14 U
MC-3D	8/17/2005	0.15	0.143	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	2000	266	299	70 U	70 U
	12/14/2005	260	227	363	290	70 U
	3/13/2006	100 U	312	413	258	7 U
	6/29/2006	260	400	500	330	70 U
	12/11/2006	190	290	250	160	13
	6/11/2007	5.7	34	23	11	4
	11/27/2007	13	450	350	140	34
	5/28/2008	21	580	330	71	24
	12/10/2008	0.482 l	788	563	92.5	0.026 U
	6/19/2009	0.088 U	610	450	56	0.020 U
	12/2/2009	0.41 l	780	450	70	0.020 U
	6/15/2010	0.44 U	560	330	48	0.14 U
	12/15/2010	0.44 U	560	200	25	0.14 U
MC-4D	8/17/2005	0.1 U	0.225	0.07 U	0.07 U	0.07 U
	9/19/2005	-	-	-	-	-
	10/19/2005	0.1 U	0.07 U	0.07 U	0.07 U	0.07 U
	12/14/2005	10 U	42.9	11	0.7 U	0.7 U
	3/13/2006	100 U	206	163	16.3	7 U
	6/28/2006	100 U	300	260	50	0.7 U
	12/11/2006	16	260	240	61	13
	6/11/2007	12	210	150	44	17
	11/27/2007	10 U	200	160	45	21
	5/28/2008	7	66	12	1.1	0.67
	12/10/2008	0.092 U	73.6	38.3	3.06	0.026 U
	6/19/2009	0.088 U	230	11	10	0.020 U
	12/2/2009	0.088 U	150	65	0.16 U	0.020 U
	6/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
MC-5D	12/7/2009	0.088 U	0.071 U	0.054 U	0.16 U	0.020 U
	6/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U
	12/15/2010	0.44 U	0.083 U	0.18 U	0.16 U	0.14 U

**Table 10: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**

Deep Zone Alternate Electron Acceptor

(Page 3 of 5)

	Sample Date	DO (mg/l)	Nitrate (mg/l)	Iron (ferric) (mg/l)	Sulfate (mg/l)	CO2 (mg/l)
MC-1D	8/17/2005	0.21	0.5 U	1 U	240	150
	9/19/2005	0.4	-	-	-	-
	10/19/2005	0.58	0.5 U	1 U	180	150
	12/20/2005	0.96	0.5 U	1 U	190	160
	3/14/2006	0.13	0.5 U	1 U	170	150
	6/29/2006	0.02	0.5 U	1 U	200	170
	12/11/2006	0.11	0.5 U	1 U	180	160
	6/11/2007	0.65	0.5 U	1 U	190	160
	11/28/2007	0.15	1	1 U	190	130
	5/29/2008	0.85	1	1 U	160	140
	12/10/2008	0.45	0.004 U	0.085	0.59 I	118
	6/19/2009	0.46	0.51 I	1.8	130	71
	12/7/2009	1.06	0.42 I	0.029 U	150	105
MC-2D	6/15/2010	0.33	0.15 I	0.029 U	130	134
	12/15/2010	0.28	0.18 I	0.029 U	130	99.2
	8/17/2005	0.14	0.9	1 U	220	83
	9/19/2005	0.19	-	-	-	-
	10/19/2005	0.55	4.4	1 U	200	130
	12/14/2005	0.16	18	26	170	370
	3/14/2006	0.03	7.6	1 U	140	350
	6/28/2006	0.01	5.9	1 U	130	400
	12/11/2006	0.07	1.1	1 U	170	510
	6/11/2007	0.53	0.5 U	1 U	250	77
	11/28/2007	0.19	14	1 U	120	510
	5/29/2008	0.35	0.96	1 U	95	260
	12/10/2008	0.83	0.004 U	2.5	110	71.4
	6/19/2009	0.66	0.020 U	0.99	76	75.7
MC-3D	12/7/2009	0.16	0.1 U	0.5	18	208
	6/15/2010	0.22	0.10 U	0.040 I	9.5	237
	12/15/2010	0.2	0.014 U	1.5	7.7	33.2
	8/17/2005	0.18	0.5 U	1 U	220	58
	9/19/2005	0.05	-	-	-	-
	10/19/2005	0.86	6.2	1 U	93	390
	12/14/2005	0.2	12	1 U	71	540
	3/13/2006	0.09	0.5 U	1 U	60	440
	6/29/2006	0.07	21	1 U	55	510
	12/11/2006	0.02	0.5 U	1 U	15	400
	6/11/2007	0.22	0.50 U	1 U	9.4	460
	11/27/2007	0.16	9.9	1 U	3.4	560
	5/28/2008	0.28	0.98	1 U	3.5	320
MC-4D	12/10/2008	0.2	0.004 U	5.06	1.2 I	514
	6/19/2009	0.02	0.020 U	4	2.7 IV	375
	12/2/2009	0.45	0.016 U	3	0.11 U	671
	6/15/2010	0.13	0.12 I	2.8	2.4 I	356
	12/15/2010	0.35	0.014 U	7.5	1.5 I	455
	8/17/2005	0.17	0.9	1 U	180	58
	9/19/2005	0.32	-	-	-	-
	10/19/2005	0.3	0.5 U	1 U	170	59
	12/14/2005	0.25	1	1 U	140	77
	3/13/2006	0.03	0.5 U	1 U	73	150
	6/28/2006	0.02	0.5 U	1 U	30	220
	12/11/2006	0.03	2.1	1 U	5.5	370
	6/11/2007	0.1	0.5 U	1 U	8.8	330
MC-5D	11/27/2007	0.17	0.96	1 U	8.1	410
	5/28/2008	0.27	0.99	1 U	19	15
	12/10/2008	0.34	0.14 I	1.26	7.5	168
	6/19/2009	0.1	0.020 U	0.36	50 V	198
	12/2/2009	0.08	0.10 U	0.2	0.11 U	256
	6/15/2010	0.08	0.10 U	0.032 I	11	37.7
	12/15/2010	0.61	0.18 I	0.095	160	32
	12/7/2009	0.42	0.1 U	1.2	140	62.5
	6/15/2010	0.25	0.14 U	0.64	120	7.05
	12/15/2010	0.34	0.19 I	0.34	100	10.8

**Table 10: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**
Deep Zone Chemicals of Concern

(Page 4 of 5)

	Sample Date	PCE (ug/L)	TCE (ug/L)	DCE (ug/L)	VC (mg/L)
MC-1D	8/17/2005	520	100	33	5 U
	9/19/2005	480	100	31	1 U
	10/19/2005	500	110	38	5 U
	12/20/2005	350	81	41	5 U
	3/14/2006	590	110	43	5 U
	6/29/2006	430	110	31	50 U
	12/11/2006	450	73	25	0.52 U
	6/11/2007	270	66	18	0.52 U
	11/28/2007	490	110	43	9.1 U
	5/29/2008	410	94	17	4.4 U
	12/10/2008	210	100	21	0.22 U
	6/19/2009	290	55	16	2.4
	12/7/2009	200	65	23	0.48 U
	6/15/2010	340	73	19	2.4 U
MC-2D	12/15/2010	220	63	18	2.4 U
	8/17/2005	1700	480	54	<5
	9/19/2005	2100	450	180	<25
	10/19/2005	1100	440	160	<5
	12/14/2005	500	510	<100	<100
	3/14/2006	3500	450	260	<100
	6/28/2006	2500	440	590	<100
	12/11/2006	8200	1300	240	52
	6/11/2007	2900	680	200	270
	11/28/2007	4000	690	450	540
	5/29/2008	5500	1000	330	310
	12/10/2008	3700	860	570	450
	6/19/2009	6200	970	410	310
	12/7/2009	2200	550	800	1400
MC-3D	6/15/2010	2700	460	270	1000
	12/15/2010	2400	330	390	1400
	8/17/2005	20000	2500 U	60	5 U
	9/19/2005	16000	1600	85	5
	10/19/2005	15000	1200	85	5 U
	12/14/2005	6300	5000	2000	250 U
	3/13/2006	21000	33	58	5 U
	6/29/2006	7300	1200	660	1000
	12/11/2006	5900	770	750	1400
	6/11/2007	1600	480	920	1900
	11/27/2007	630	300	3700	3900
	5/28/2008	4 U	5.2 U	19	2200
	12/10/2008	10	2.6	6200	2300
	6/19/2009	110	200	4800	1800
MC-4D	12/2/2009	22 U	20 U	4700	5500
	6/15/2010	26 I	20 U	1600	820
	12/15/2010	4.3 U	3.9 U	600	1900
	8/17/2005	1100	310	22	<5
	9/19/2005	1000	270	21	<5
	10/19/2005	1300	310	22	<5
	12/14/2005	1400	320	24	5 U
	3/13/2006	1500	320	190	50 U
	6/28/2006	710	270	260	25 U
	12/11/2006	89	31	250	5.2 U
	6/11/2007	170	100	150	59
	11/27/2007	130	140	200	97
	5/28/2008	6.2	10	61	77
	12/10/2008	8.5	17	120	61
MC-5D	6/19/2009	37	56	600	86
	12/2/2009	0.81 I	2.3	71	140
	6/15/2010	0.58 I	0.72 I	1.1	35
	12/15/2010	0.43 U	49	18	41
	12/7/2009	1300	300	70	0.48 U
	6/15/2010	3700	620	100	25
	12/15/2010	2300	590	100	52

**Table 10: GROUNDWATER QUALITY ANALYTICAL REPORT
SHERWOOD MEDICAL INDUSTRIES NPL SITE
HRC INJECTION PILOT STUDY**

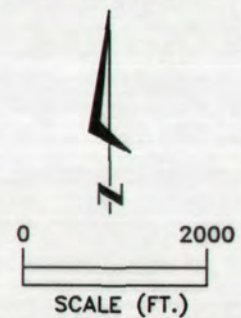
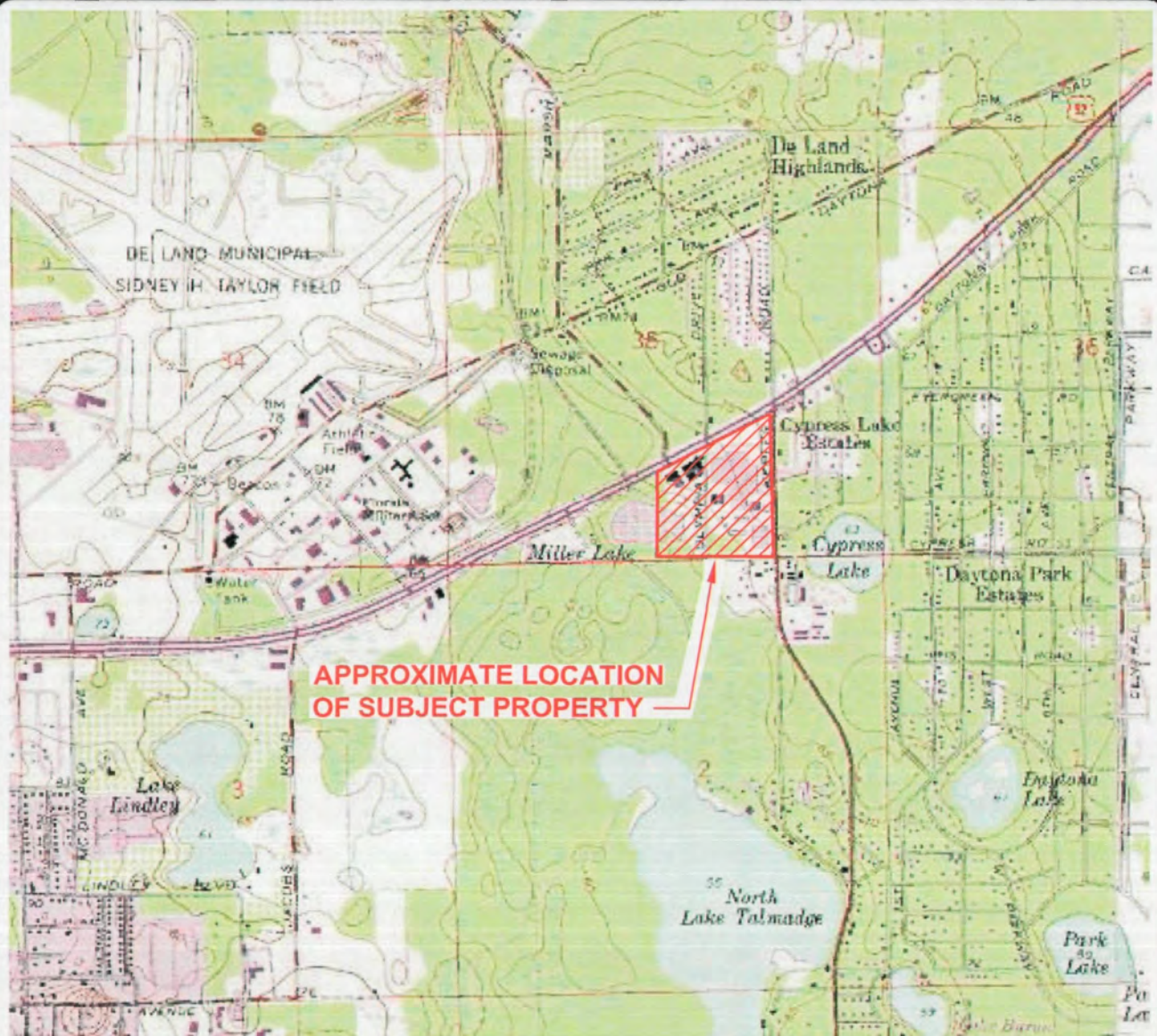
Deep Zone Metabolic Byproduct Compounds

(Page 5 of 5)

	Sample Date	Sulfide (mg/l)	Iron (ferrous) (mg/l)	Manganese (mg/l)	Methane (ug/L)	Ethene (ug/L)
MC-1D	8/17/2005	2 U	7.4	1 U	26	0.18
	9/19/2005	-	-	-	-	-
	10/19/2005	2 U	6.1	1 U	22	0.19
	12/20/2005	2 U	6.1	1 U	34	0.26
	3/14/2006	2 U	5.1	1 U	28	0.15
	6/29/2006	2 U	5.6	1 U	25	0.15
	12/11/2006	2 U	5.3	1 U	34	0.43
	6/11/2007	2 U	4.9	1 U	29	0.26
	11/28/2007	2 U	3.7	1 U	23	0.094
	5/29/2008	2 U	3.7	1 U	20	0.064
	12/10/2008	0.45 U	4	0.026 U	11	0.3 U
	6/19/2009	0.45 U	2.1	0.026	4	0.4 U
	12/7/2009	0.45 U	3.9	0.029	11	0.4 U
	6/15/2010	0.45 U	0.15 l	0.027	14	0.4 U
MC-2D	12/15/2010	0.58 l	4.4	0.026 l	10.3	1.6 U
	8/17/2005	<2	1.5	<1	110	0.91
	9/19/2005	-	-	-	-	-
	10/19/2005	<2	2.1	<1	100	0.63
	12/14/2005	6.4	55	1.1	57	1.1
	3/14/2006	14	11	<1	34	0.75
	6/28/2006	19	38	<1	47	0.86
	12/11/2006	18	24	<1	86	3
	6/11/2007	15	16	<1	46	2.9
	11/28/2007	19	12	<1	180	3.6
	5/29/2008	6.8	5.3	<1	93	3.4
	12/10/2008	13	<0.042	0.046	18	2 l
	6/19/2009	12	0.29	0.068	34	2
	12/7/2009	0.45	1.7	0.067	364	9
MC-3D	6/15/2010	7.2	1.6	0.062	989	10
	12/15/2010	14	0.16	0.055	1160	25.3
	8/17/2005	2 U	2.4	1 U	46	3.8
	9/19/2005	-	-	-	-	-
	10/19/2005	12	6.5	1 U	30	29
	12/14/2005	25	1.1	1 U	130	29
	3/13/2006	19	1.1	1 U	600	13
	6/29/2006	17	2.4	1 U	1200	54
	12/11/2006	28	1.1	1 U	11000	290
	6/11/2007	15	1.7	1 U	6400	240
	11/27/2007	17	1.5	1 U	3900	120
	5/28/2008	3.5	1.7	1 U	4500	140
	12/10/2008	6.7	3	0.205	1670	41
	6/19/2009	5.1	1.9	0.199	2380	51
MC-4D	12/2/2009	2.8	4.9	0.206	2570	48
	6/15/2010	3.6	4.9	0.196	3180	157
	12/15/2010	1.9	0.93	0.189	3730	129
	8/17/2005	2 U	1.5	1 U	28	0.8
	9/19/2005	-	-	-	-	-
	10/19/2005	2 U	2.4	1 U	33	1.2
	12/14/2005	2 U	1.4	1 U	35	1
	3/13/2006	6.6	1.5	1 U	37	1.2
	6/28/2006	7.8	1.3	1 U	240	1.5
	12/11/2006	6	1 U	1 U	3500	1.9
	6/11/2007	6.6	1 U	1 U	8500	4.1
	11/27/2007	6.7	1 U	1 U	6000	4.3
	5/28/2008	2 U	1 U	1 U	9700	4.4
	12/10/2008	5	0.042 U	0.026	3940	2
MC-5D	6/19/2009	5.3	0.029 U	0.046	5350	6
	12/2/2009	3.9	0.029 U	0.037	6910	9
	6/15/2010	3.2	0.037 U	0.008 l	4390	9
	12/15/2010	2	0.073	0.0344	4960	5.25
	12/7/2009	0.70 l	1	0.077	58	0.6 l
	6/15/2010	1.1	0.037 U	0.019	65	2
	12/15/2010	2.2	0.38	0.0179	194	6.67

APPENDIX A

Figures



SOURCE: USGS QUADRANGLE MAPS OF "DELAND, FL" AND "DAYTONA BEACH SW, FL".



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SHERWOOD MEDICAL INDUSTRIES NPL SITE DELAND, FLORIDA

SITE LOCATION MAP

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SCALE: AS SHOWN	PROJECT NO: 01-0014035-001-01	REPORT NO:	PAGE NO: A-1

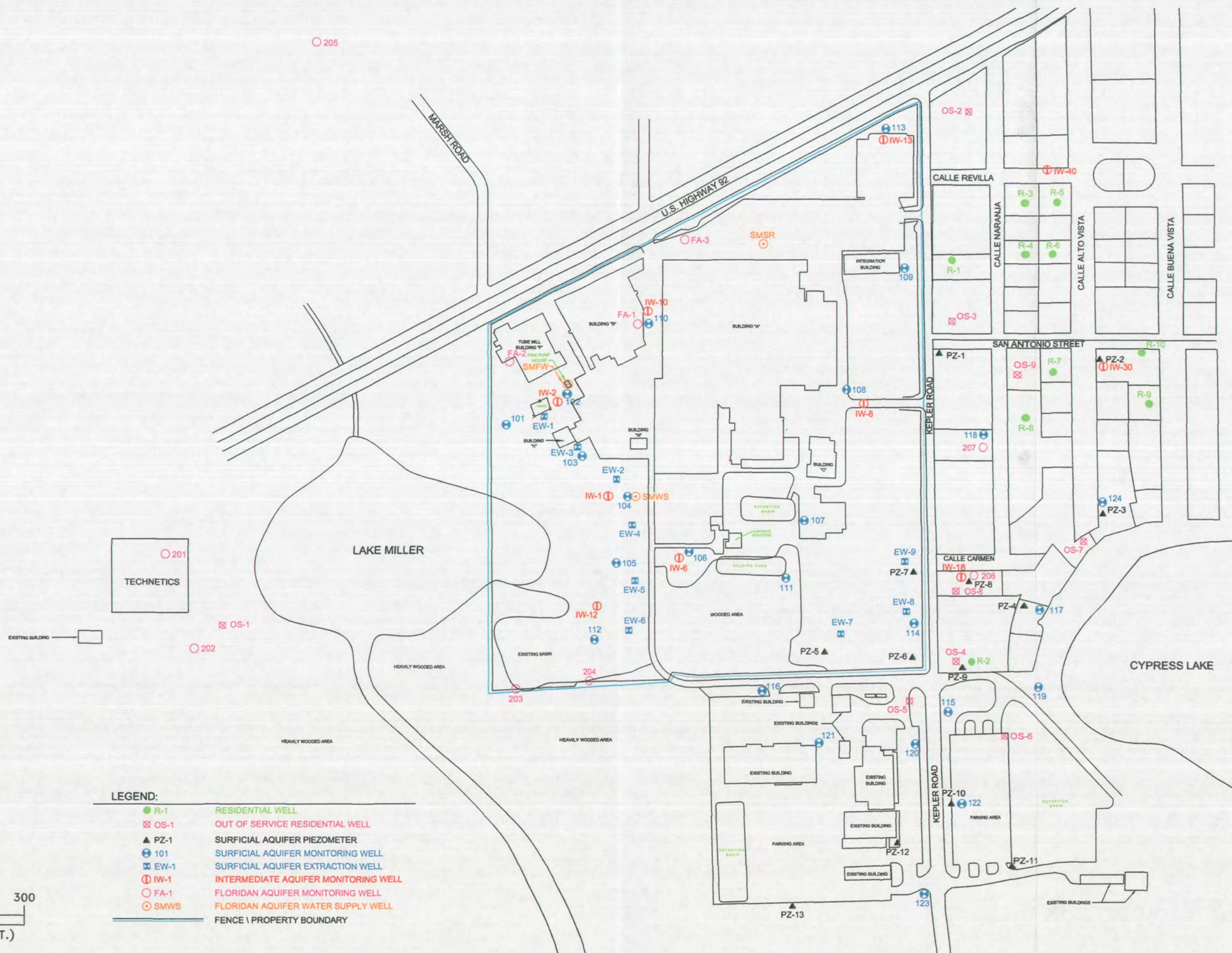
E06-0172

10-0005-05



LEGEND:

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|--------|--------------------------------------|
| ● R-1 | RESIDENTIAL WELL |
| ⊗ OS-1 | OUT OF SERVICE RESIDENTIAL WELL |
| ▲ PZ-1 | SURFICIAL AQUIFER PIEZOMETER |
| ⊕ 101 | SURFICIAL AQUIFER MONITORING WELL |
| ⊗ EW-1 | SURFICIAL AQUIFER EXTRACTION WELL |
| ⊕ IW-1 | INTERMEDIATE AQUIFER MONITORING WELL |
| ○ FA-1 | FLORIDAN AQUIFER MONITORING WELL |
| ○ SMWS | FLORIDAN AQUIFER WATER SUPPLY WELL |
| — | FENCE \ PROPERTY BOUNDARY |



FOR: WYETH

SHERWOOD MEDICAL INDUSTRIES NPL SITE
DELAND, FLORIDA



FIGURE:

A-2

DATE: 1/12/11

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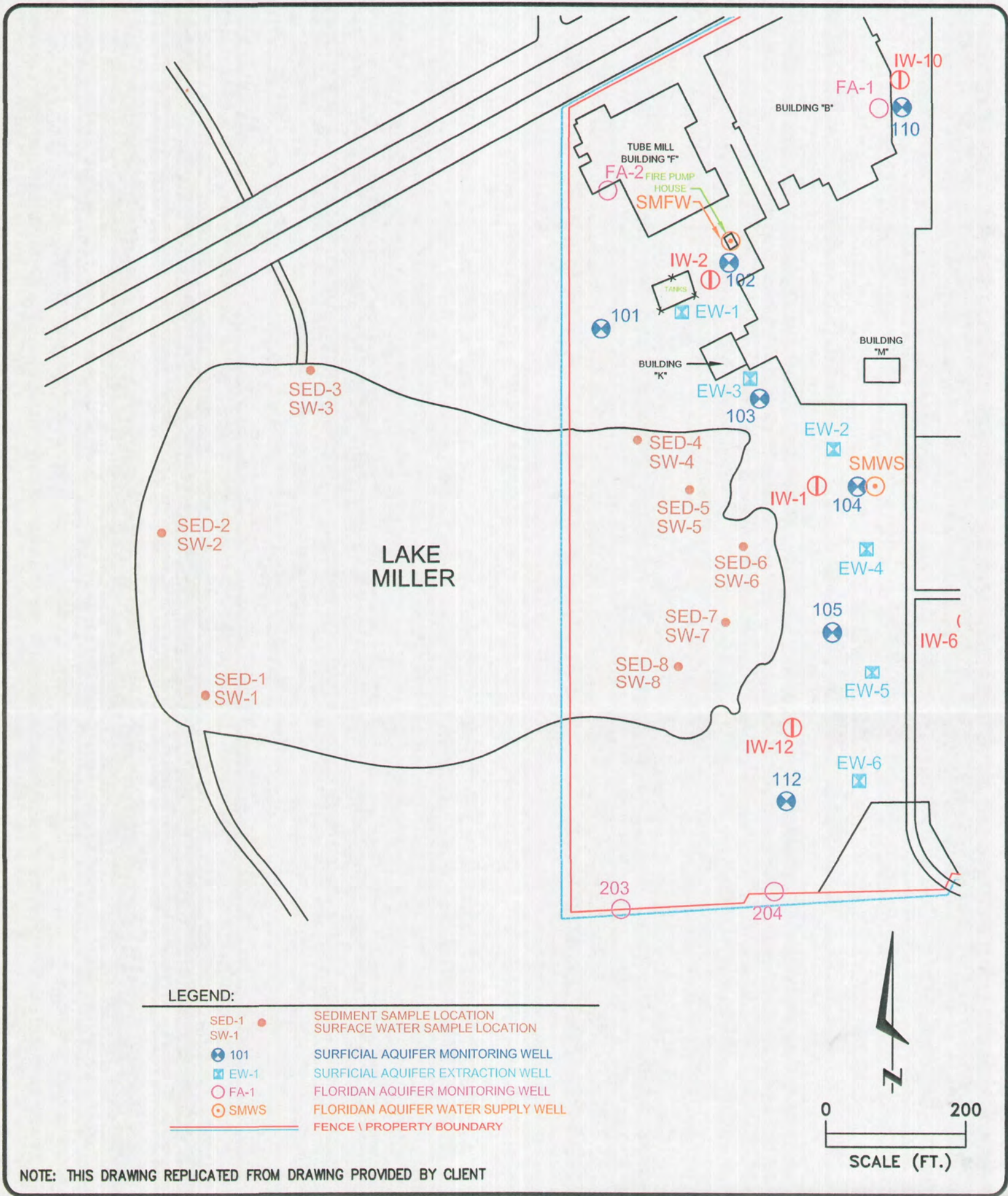
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SCALE: AS SHOWN

PROJECT NO: 0140.0506736.0000



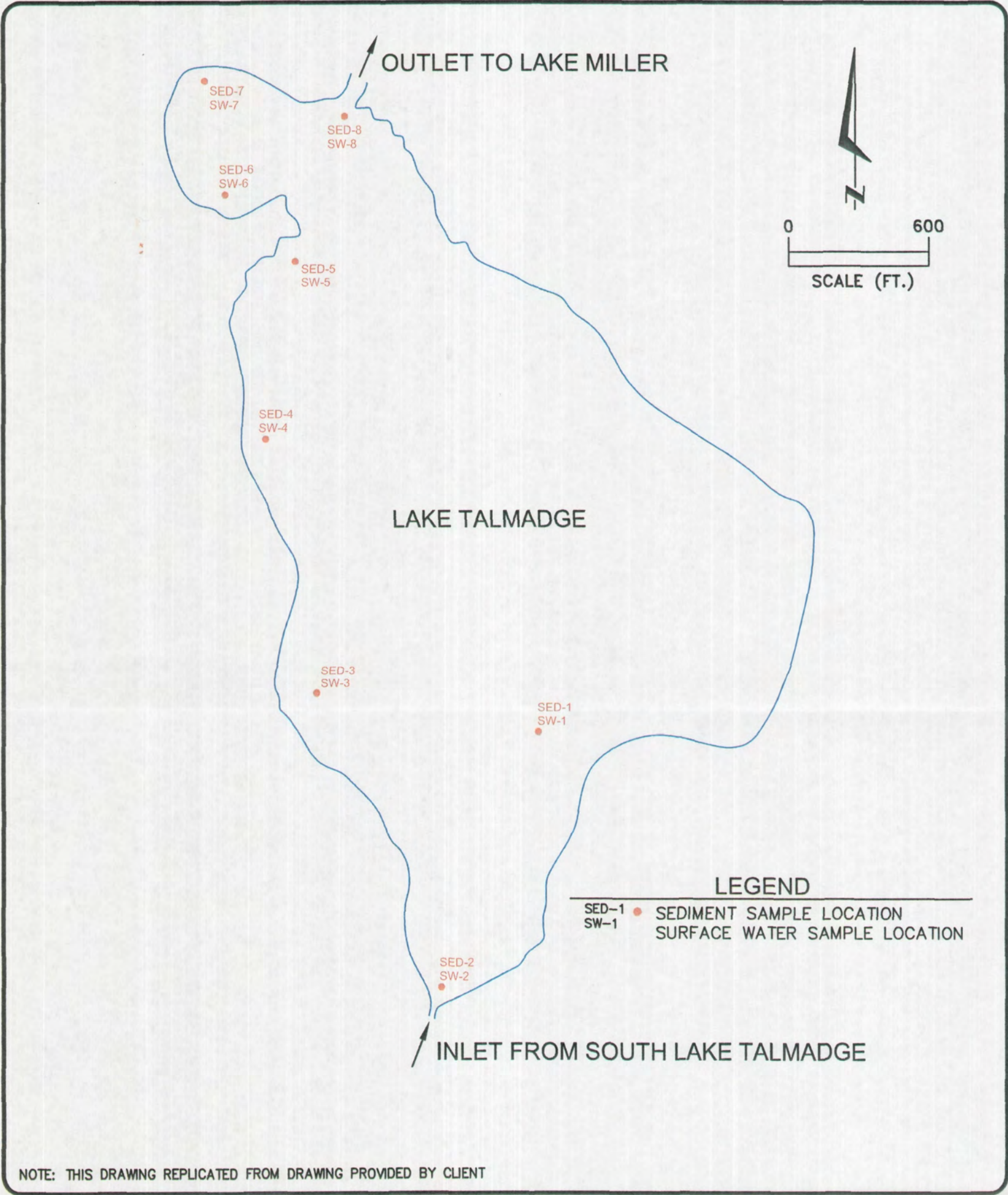
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SHERWOOD MEDICAL INDUSTRIES NPL SITE
DELAND, FLORIDA

LAKE MILLER - SAMPLE LOCATION PLAN

DRAWN BY: MLP	DATE: 6/23/06	CHECKED BY: <i>de</i>	DATE: 1/13/11
SCALE: AS SHOWN	PROJECT NO: 01-0014035-001-01	REPORT NO: 698/28	PAGE NO: A-3

E06-0172



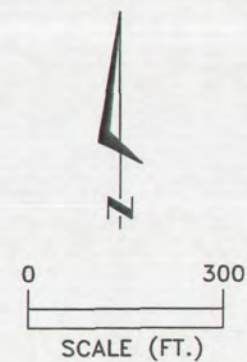
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SHERWOOD MEDICAL INDUSTRIES NPL SITE
DELAND, FLORIDA

LAKE TALMADGE - SAMPLE LOCATION PLAN

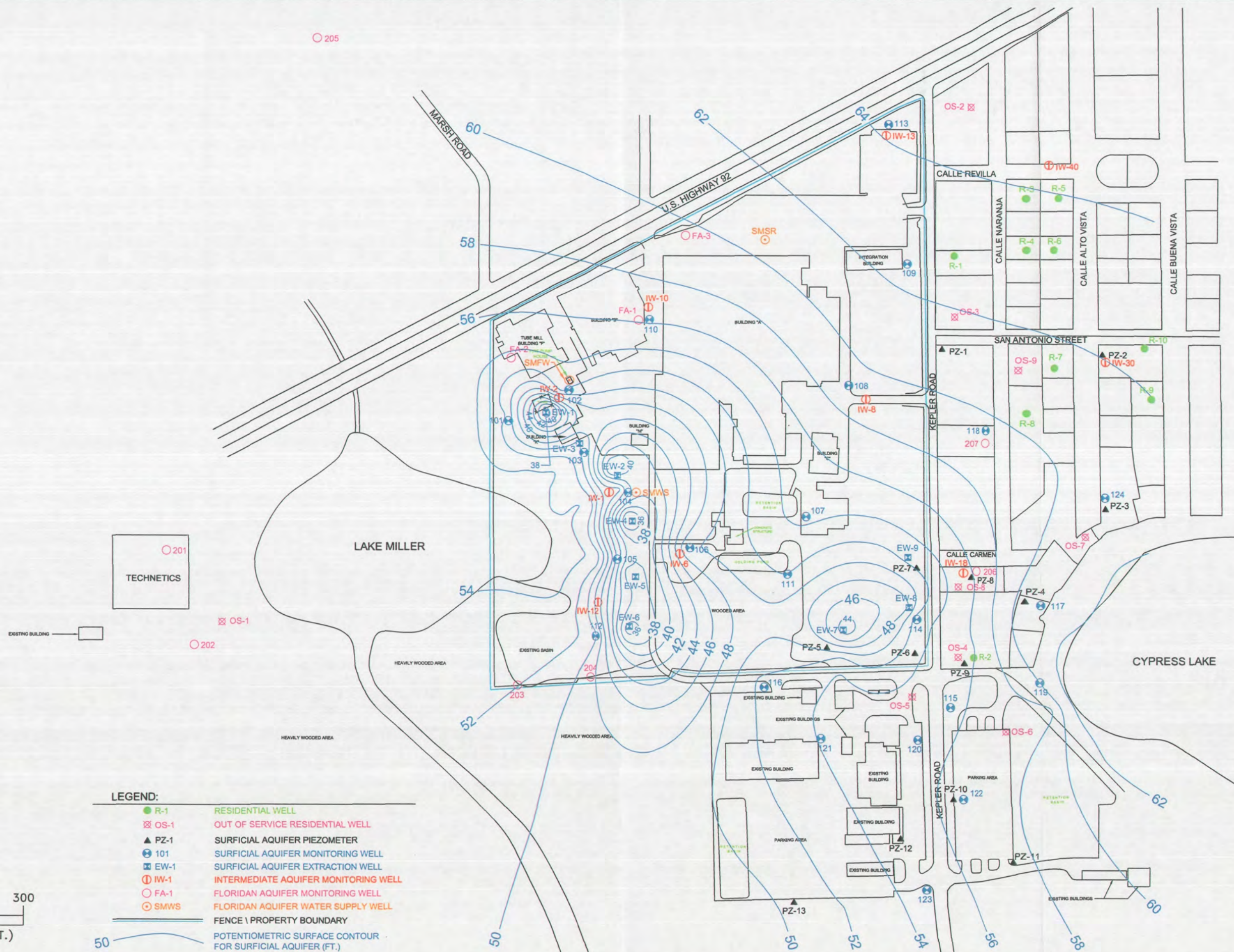
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10-0005-05



LEGEND:

- | | |
|--------|--|
| ● R-1 | RESIDENTIAL WELL |
| ⊗ OS-1 | OUT OF SERVICE RESIDENTIAL WELL |
| ▲ PZ-1 | SURFICIAL AQUIFER PIEZOMETER |
| ⊕ 101 | SURFICIAL AQUIFER MONITORING WELL |
| ⊞ EW-1 | SURFICIAL AQUIFER EXTRACTION WELL |
| ⊕ IW-1 | INTERMEDIATE AQUIFER MONITORING WELL |
| ○ FA-1 | FLORIDAN AQUIFER MONITORING WELL |
| ○ SMWS | FLORIDAN AQUIFER WATER SUPPLY WELL |
| — | FENCE \ PROPERTY BOUNDARY |
| — | POTENTIOMETRIC SURFACE CONTOUR FOR SURFICIAL AQUIFER (FT.) |



SHERWOOD MEDICAL INDUSTRIES NPL SITE

DELAND, FLORIDA



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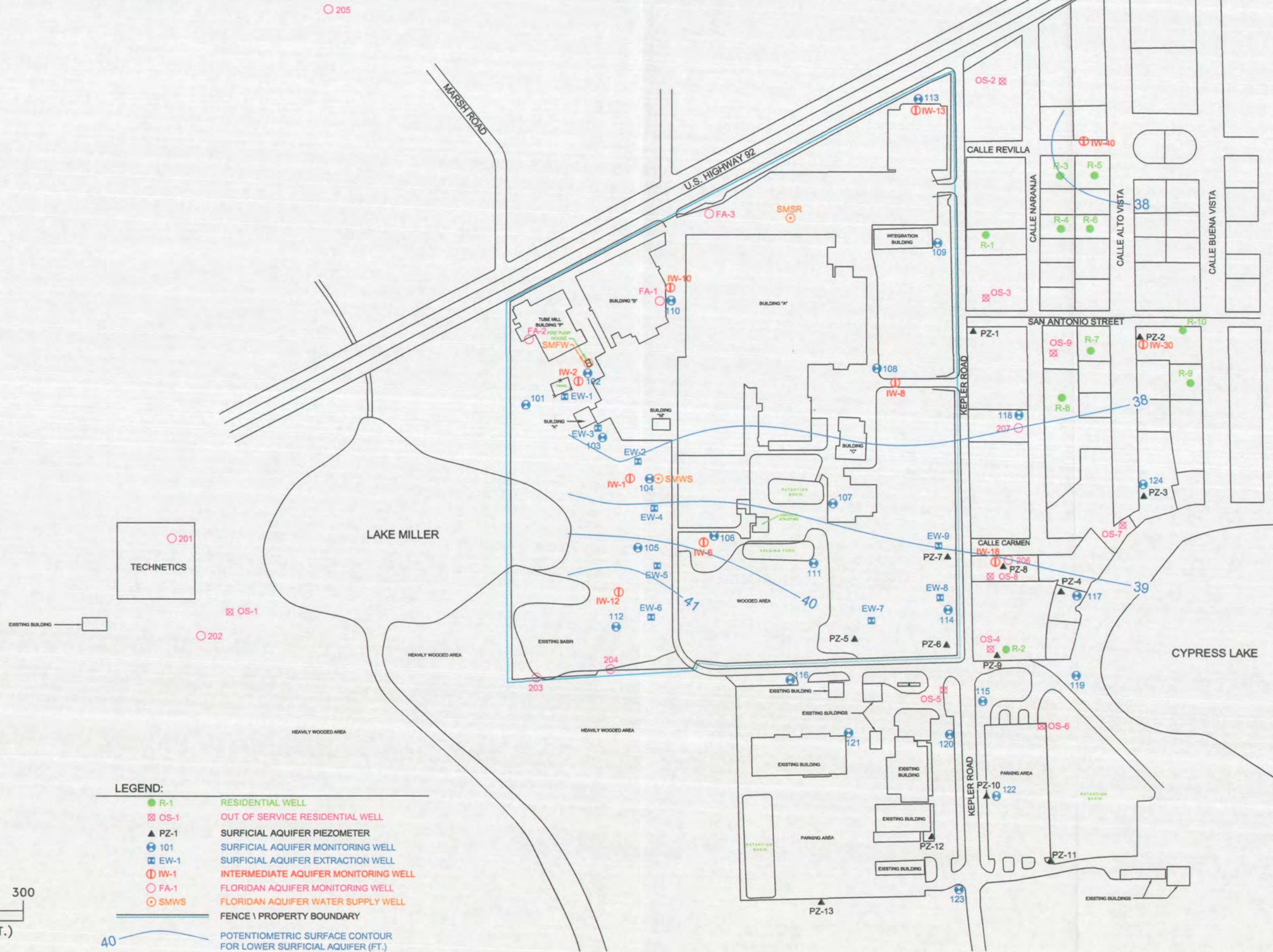
FIGURE:

A-5

FOR: PFIZER

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CHECKED BY: <i>[Signature]</i>	DATE: 1/13/11
REPORT NO: 698128	SCALE: AS SHOWN
PROJECT NO: 0140.0506736.0000	

POTENTIOMETRIC SURFACE - SURFICIAL AQUIFER (DECEMBER, 2010)



SHERWOOD MEDICAL INDUSTRIES NPL SITE

DELAND, FLORIDA

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FIGURE:

A-6

PFIZER

DRAWN BY: R.K.S.	DATE: 1/10/11
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CHECKED BY: <i>an</i>	DATE: 1/13/11
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REPORT NO: 698128	SCALE: AS SHOWN
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PROJECT NO:	0140.0506736.0000
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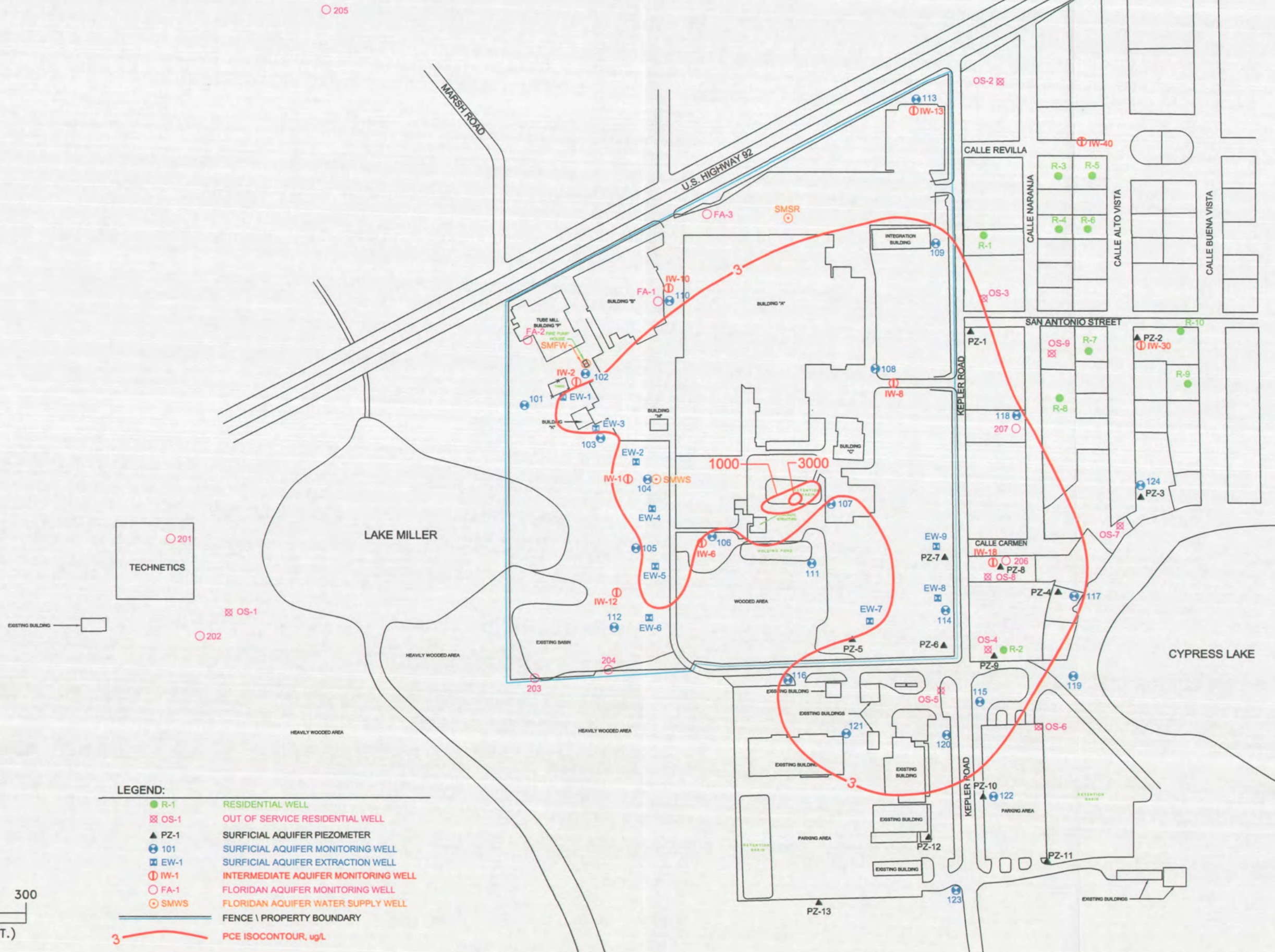
POTENTIOMETRIC SURFACE - LOWER SURFICIAL AQUIFER (DECEMBER, 2010)

10-0005-05



LEGEND:

- R-1 RESIDENTIAL WELL
- ⊗ OS-1 OUT OF SERVICE RESIDENTIAL WELL
- ▲ PZ-1 SURFICIAL AQUIFER PIEZOMETER
- ⊕ 101 SURFICIAL AQUIFER MONITORING WELL
- ⊕ EW-1 SURFICIAL AQUIFER EXTRACTION WELL
- ⊕ IW-1 INTERMEDIATE AQUIFER MONITORING WELL
- FA-1 FLORIDAN AQUIFER MONITORING WELL
- ⊙ SMWS FLORIDAN AQUIFER WATER SUPPLY WELL
- FENCE \ PROPERTY BOUNDARY
- 3 PCE ISOCONTOUR, ug/L



SHERWOOD MEDICAL INDUSTRIES NPL SITE
DELAND, FLORIDA



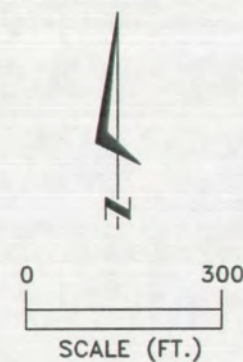
FIGURE:

A-7

FOR: WYETH

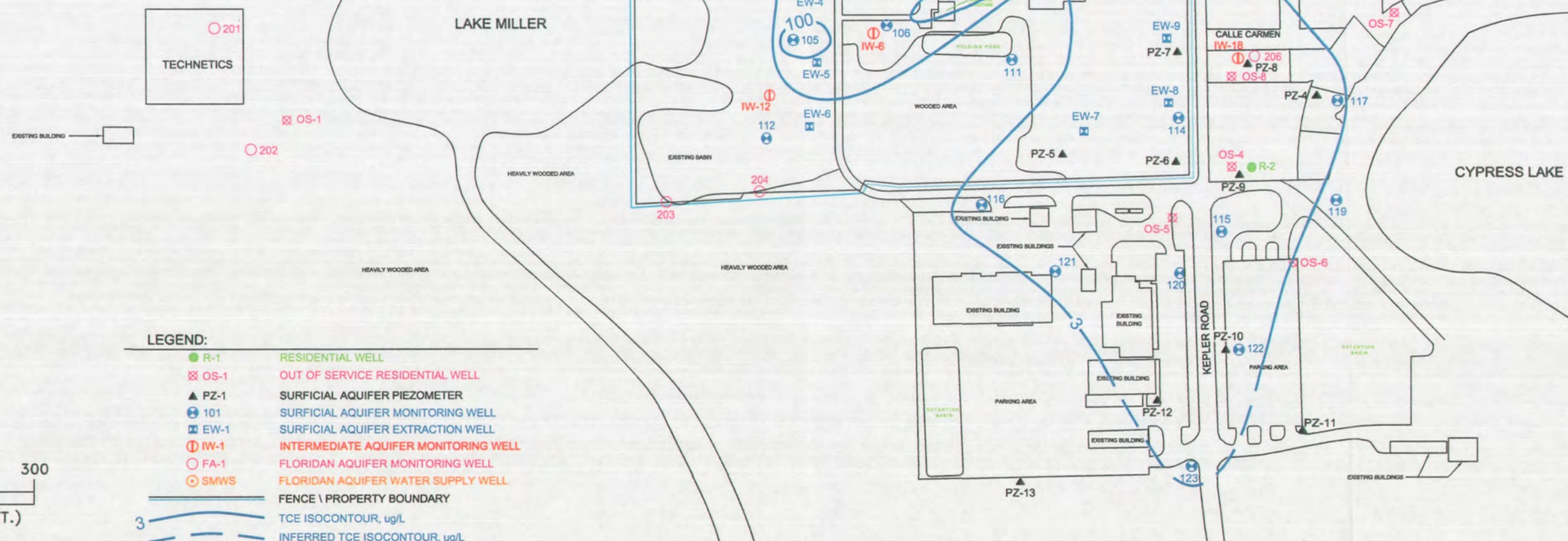
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10-0005-05



LEGEND:

- | | |
|--------|--------------------------------------|
| ● R-1 | RESIDENTIAL WELL |
| ⊗ OS-1 | OUT OF SERVICE RESIDENTIAL WELL |
| ▲ PZ-1 | SURFICIAL AQUIFER PIEZOMETER |
| ⊕ 101 | SURFICIAL AQUIFER MONITORING WELL |
| ⊗ EW-1 | SURFICIAL AQUIFER EXTRACTION WELL |
| ⊕ IW-1 | INTERMEDIATE AQUIFER MONITORING WELL |
| ○ FA-1 | FLORIDAN AQUIFER MONITORING WELL |
| ⊙ SMWS | FLORIDAN AQUIFER WATER SUPPLY WELL |
| --- | FENCE \ PROPERTY BOUNDARY |
| 3 | TCE ISOCONTOUR, ug/L |
| --- | INFERRED TCE ISOCONTOUR, ug/L |



SHERWOOD MEDICAL INDUSTRIES NPL SITE
DELAND, FLORIDA



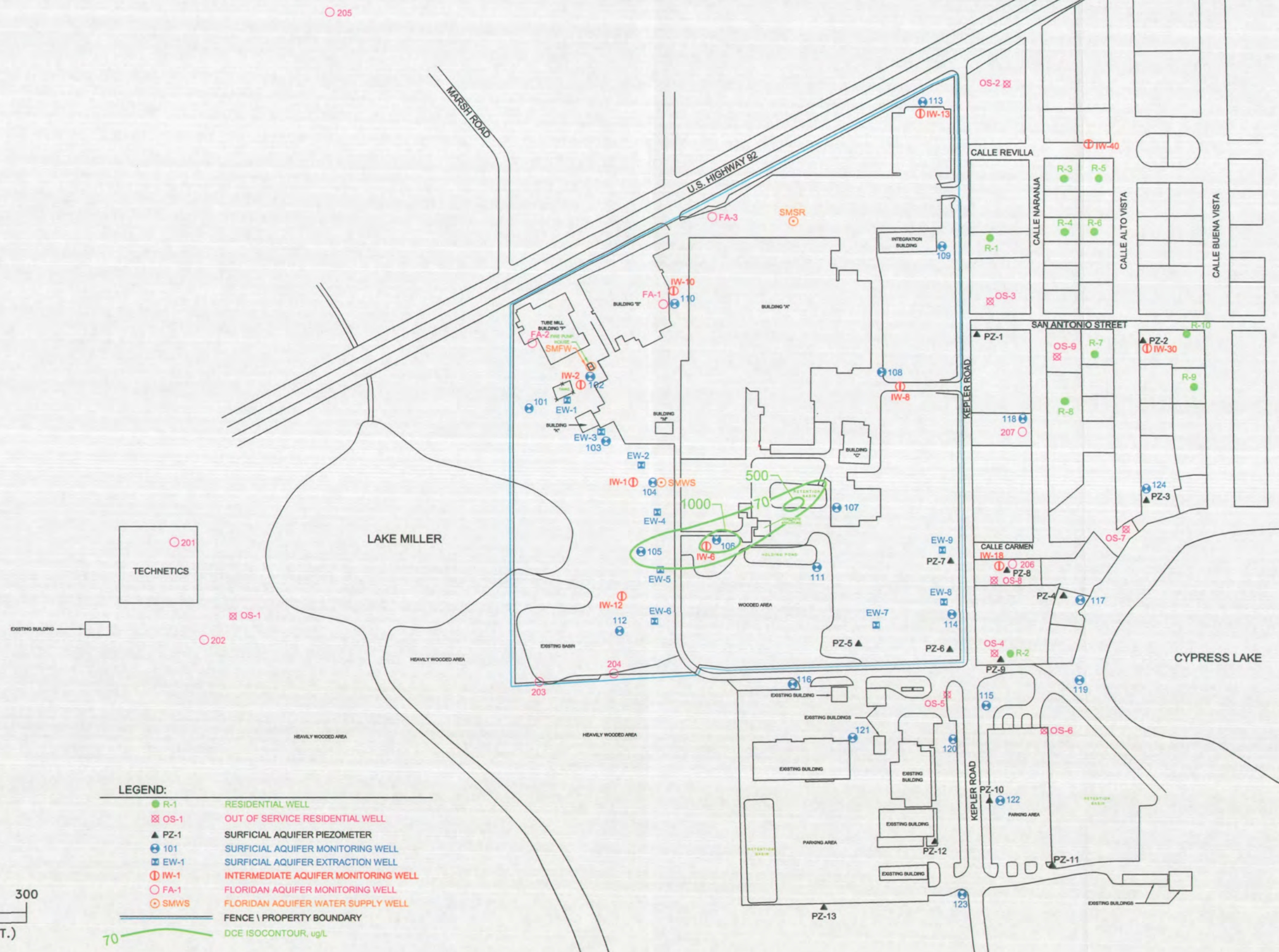
FIGURE:

A-8

FOR:

WYETH

DRAWN BY: R.K.S.	DATE: 1/12/11
CHECKED BY: <i>[Signature]</i>	DATE: 1/13/11
REPORT NO: 698/28	SCALE: AS SHOWN
PROJECT NO: 0140.0506736.0000	



FOR:

WYETH

DELAND, FLORIDA

DELAND, FLORIDA

DCE ISOCOUNTOUR MAP - SURFICIAL AQUIFER

1/12/11

R.K.S.

113/11

Y: 2

AS SHOWN

69812

0140.0506736.0000

UNIVERSAL
ENGINEERING SCIENCES

FIGURE:

A-9

10-0005-05



LEGEND:

- | | |
|--------|--------------------------------------|
| ● R-1 | RESIDENTIAL WELL |
| ⊗ OS-1 | OUT OF SERVICE RESIDENTIAL WELL |
| ▲ PZ-1 | SURFICIAL AQUIFER PIEZOMETER |
| ⊕ 101 | SURFICIAL AQUIFER MONITORING WELL |
| ⊞ EW-1 | SURFICIAL AQUIFER EXTRACTION WELL |
| ⊕ IW-1 | INTERMEDIATE AQUIFER MONITORING WELL |
| ○ FA-1 | FLORIDAN AQUIFER MONITORING WELL |
| ⊙ SMWS | FLORIDAN AQUIFER WATER SUPPLY WELL |
| — | FENCE \ PROPERTY BOUNDARY |
| — | PCE ISOCONTOUR, ug/L |
| — | TCE ISOCONTOUR, ug/L |
| — | DCE ISOCONTOUR, ug/L |
| — | VINYL CHLORIDE, ug/L |



WYETH

FOR:

SHERWOOD MEDICAL INDUSTRIES NPL SITE

DELAND, FLORIDA

COC IMPACTS - LOWER SURFICIAL AQUIFER



UNIVERSAL
ENGINEERING SCIENCES

FIGURE:

A-10

DATE: 1/12/11

DRAWN BY: R.K.S.

DATE: 1/13/11

CHECKED BY: *dr*

SCALE: AS SHOWN

REPORT NO: 69828

PROJECT NO: 0140.0506736.0000

APPENDIX B

Laboratory Analytical Reports

Groundwater Samples

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



www.encolabs.com

Monday, December 20, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - GWs

ENCO Workorder: A006603

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, December 14, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "David M. Camacho".

David Camacho For Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	TRIP BLANK 1	Lab ID:	A006603-01	Sampled:	12/14/10 10:00	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/16/2010 23:23			

Client ID:	Florist	Lab ID:	A006603-02	Sampled:	12/14/10 10:10	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/16/2010 23:52			

Client ID:	Mobley	Lab ID:	A006603-03	Sampled:	12/14/10 10:20	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 00:23			

Client ID:	Byard	Lab ID:	A006603-04	Sampled:	12/14/10 10:30	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 00:52			

Client ID:	Takash	Lab ID:	A006603-05	Sampled:	12/14/10 10:40	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 01:22			

Client ID:	Duchesneau	Lab ID:	A006603-06	Sampled:	12/14/10 10:50	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 01:52			

Client ID:	SMSR	Lab ID:	A006603-07	Sampled:	12/14/10 11:05	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 02:22			

Client ID:	EW-9	Lab ID:	A006603-08	Sampled:	12/14/10 11:15	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/16/10	14:41	12/17/2010 02:52			

Client ID:	EW-8	Lab ID:	A006603-09	Sampled:	12/14/10 11:25	Received:	12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	12/28/10	12/17/10	10:15	12/17/2010 16:18			



www.encolabs.com

Client ID: EW-7	Lab ID: A006603-10	Sampled: 12/14/10 11:30	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 16:50

Client ID: INF	Lab ID: A006603-11	Sampled: 12/14/10 11:35	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 17:22

Client ID: EFF	Lab ID: A006603-12	Sampled: 12/14/10 12:45	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 17:53

Client ID: SMWS	Lab ID: A006603-13	Sampled: 12/14/10 11:55	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 18:26

Client ID: EW-6	Lab ID: A006603-14	Sampled: 12/14/10 12:05	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 18:58

Client ID: EW-5	Lab ID: A006603-15	Sampled: 12/14/10 12:15	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 19:31

Client ID: EW-4	Lab ID: A006603-16	Sampled: 12/14/10 12:25	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 20:03

Client ID: EW-2	Lab ID: A006603-17	Sampled: 12/14/10 12:30	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 20:35

Client ID: EW-1	Lab ID: A006603-18	Sampled: 12/14/10 12:40	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 21:07



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Client ID:	Dup 1	Lab ID: A006603-19	Sampled: 12/14/10 00:00	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 21:39	

Client ID:	Dup 2	Lab ID: A006603-20	Sampled: 12/14/10 00:00	Received: 12/14/10 15:15
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	12/28/10	12/17/10 10:15	12/17/2010 22:11	

SAMPLE DETECTION SUMMARY

Client ID: Florist		Lab ID: A006603-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.0		0.41	1.0	ug/L	EPA 8260B	

Client ID: Takash		Lab ID: A006603-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.1		0.41	1.0	ug/L	EPA 8260B	

Client ID: EW-9		Lab ID: A006603-08					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.4		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	9.3		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	4.1		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW-8		Lab ID: A006603-09					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.2		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	12		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	4.5		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW-7		Lab ID: A006603-10					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	3.5		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	2.8		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	3.7		0.39	1.0	ug/L	EPA 8260B	

Client ID: INF		Lab ID: A006603-11					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	13		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	34		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	17		0.39	1.0	ug/L	EPA 8260B	

Client ID: SNWS		Lab ID: A006603-13					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	70		0.41	1.0	ug/L	EPA 8260B	
Dichlorodifluoromethane	1.1		0.75	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.96	I	0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	0.61	I	0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	1.3		0.48	1.0	ug/L	EPA 8260B	

Client ID: EW-6		Lab ID: A006603-14					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	0.42	I	0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	1.3		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	2.3		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW-5		Lab ID: A006603-15					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	37		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	10		0.43	1.0	ug/L	EPA 8260B	

Client ID: EW-5	Lab ID: A006603-15
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
trans-1,2-Dichloroethene	0.48	I	0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	23		0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	1.0		0.48	1.0	ug/L	EPA 8260B	

Client ID: EW-4	Lab ID: A006603-16
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	13		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	9.6		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	9.9		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW-2	Lab ID: A006603-17
------------------------	---------------------------

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	27		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	200		0.43	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	1.2		0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	50		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW-1	Lab ID: A006603-18
------------------------	---------------------------

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	2.0		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	53		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	29		0.39	1.0	ug/L	EPA 8260B	

Client ID: Dup 1	Lab ID: A006603-19
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	0.94	I	0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	0.44	I	0.43	1.0	ug/L	EPA 8260B	

Client ID: Dup 2	Lab ID: A006603-20
-------------------------	---------------------------

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	63		0.41	1.0	ug/L	EPA 8260B	
Dichlorodifluoromethane	1.0		0.75	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.91	I	0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	0.52	I	0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	1.0		0.48	1.0	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: TRIP BLANK 1

Lab Sample ID: A006603-01

Received: 12/14/10 15:15

Matrix: Water

Sampled: 12/14/10 10:00

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: ENCO ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L16022	EPA 8260B	12/16/10 23:23	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Dibromofluoromethane	38	1	50.0	77 %	53-146	0L16022	EPA 8260B	12/16/10 23:23	kdw	
Toluene-d8	44	1	50.0	88 %	41-146	0L16022	EPA 8260B	12/16/10 23:23	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Florist

Lab Sample ID: A006603-02

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 10:10

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Mike Geden

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	1.0		ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL16022	EPA 8260B	12/16/10 23:52	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Dibromofluoromethane	39	1	50.0	77 %	53-146	OL16022	EPA 8260B	12/16/10 23:52	kdw	
Toluene-d8	45	1	50.0	89 %	41-146	OL16022	EPA 8260B	12/16/10 23:52	kdw	

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Description: Mobley

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-03

Sampled: 12/14/10 10:20

Sampled By: Mike Geden

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC 883182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L16022	EPA 8260B	12/17/10 00:23	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	94 %	41-142	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Dibromofluoromethane	41	1	50.0	82 %	53-146	0L16022	EPA 8260B	12/17/10 00:23	kdw	
Toluene-d8	46	1	50.0	91 %	41-146	0L16022	EPA 8260B	12/17/10 00:23	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Byard
Matrix: Ground Water
Project: Deland NPL Site - GWS

Lab Sample ID: A006603-04
Sampled: 12/14/10 10:30
Sampled By: Mike Geden

Received: 12/14/10 15:15
Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL16022	EPA 8260B	12/17/10 00:52	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	91 %	41-142	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Dibromofluoromethane	39	1	50.0	78 %	53-146	OL16022	EPA 8260B	12/17/10 00:52	kdw	
Toluene-d8	44	1	50.0	88 %	41-146	OL16022	EPA 8260B	12/17/10 00:52	kdw	

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Description: Takash

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-05

Sampled: 12/14/10 10:40

Sampled By: Mike Geden

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,1,1,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	1.1	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L16022	EPA 8260B	12/17/10 01:22	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L16022	EPA 8260B	12/17/10 01:22	kdw	
Toluene-d8	44	1	50.0	89 %	41-146	0L16022	EPA 8260B	12/17/10 01:22	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Duchesneau
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A006603-06
Sampled: 12/14/10 10:50
Sampled By: Mike Geden

Received: 12/14/10 15:15
Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL16022	EPA 8260B	12/17/10 01:52	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Dibromofluoromethane	39	1	50.0	79 %	53-146	OL16022	EPA 8260B	12/17/10 01:52	kdw	
Toluene-d8	45	1	50.0	90 %	41-146	OL16022	EPA 8260B	12/17/10 01:52	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SMSR

Lab Sample ID: A006603-07

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 11:05

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L16022	EPA 8260B	12/17/10 02:22	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Dibromofluoromethane	40	1	50.0	81 %	53-146	0L16022	EPA 8260B	12/17/10 02:22	kdw	
Toluene-d8	44	1	50.0	87 %	41-146	0L16022	EPA 8260B	12/17/10 02:22	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-9

Lab Sample ID: A006603-08

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 11:15

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	1.4		ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Tetrachloroethene [127-18-4] ^	9.3		ug/L	1	0.43	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Trichloroethene [79-01-6] ^	4.1		ug/L	1	0.39	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L16022	EPA 8260B	12/17/10 02:52	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	93 %	41-142	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Dibromofluoromethane	39	1	50.0	79 %	53-146	0L16022	EPA 8260B	12/17/10 02:52	kdw	
Toluene-d8	44	1	50.0	88 %	41-146	0L16022	EPA 8260B	12/17/10 02:52	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-8

Lab Sample ID: A006603-09

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 11:25

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
cis-1,2-Dichloroethene [156-59-2] ^	1.2		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Tetrachloroethene [127-18-4] ^	1.2		ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Trichloroethene [79-01-6] ^	4.5		ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 16:18	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	81 %	41-142	0L17017	EPA 8260B	12/17/10 16:18	kat	
Dibromofluoromethane	46	1	50.0	91 %	53-146	0L17017	EPA 8260B	12/17/10 16:18	kat	
Toluene-d8	37	1	50.0	73 %	41-146	0L17017	EPA 8260B	12/17/10 16:18	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-7

Lab Sample ID: A006603-10

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 11:30

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
cis-1,2-Dichloroethene [156-59-2] ^	3.5		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Tetrachloroethene [127-18-4] ^	2.8		ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Trichloroethene [79-01-6] ^	3.7		ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 16:50	kat	

Surrogates	Results	DF	Spika Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L17017	EPA 8260B	12/17/10 16:50	kat	
Dibromofluoromethane	45	1	50.0	90 %	53-146	0L17017	EPA 8260B	12/17/10 16:50	kat	
Toluene-d8	36	1	50.0	72 %	41-146	0L17017	EPA 8260B	12/17/10 16:50	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: INF

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-11

Sampled: 12/14/10 11:35

Sampled By: Jason Reed

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
cis-1,2-Dichloroethene [156-59-2] ^	13		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Tetrachloroethene [127-18-4] ^	34		ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Trichloroethene [79-01-6] ^	17		ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 17:22	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	78 %	41-142	0L17017	EPA 8260B	12/17/10 17:22	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	0L17017	EPA 8260B	12/17/10 17:22	kat	
Toluene-d8	36	1	50.0	72 %	41-146	0L17017	EPA 8260B	12/17/10 17:22	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EFF

Lab Sample ID: A006603-12

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 12:45

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 17:53	kat	

Surrogates	Results	DF	Spiked Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	79 %	41-142	0L17017	EPA 8260B	12/17/10 17:53	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	0L17017	EPA 8260B	12/17/10 17:53	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L17017	EPA 8260B	12/17/10 17:53	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SMWS

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-13

Sampled: 12/14/10 11:55

Sampled By: Jason Reed

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
cis-1,2-Dichloroethene [156-59-2] ^	70		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Dichlorodifluoromethane [75-71-8] ^	1.1		ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.96	I	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Trichloroethene [79-01-6] ^	0.61	I	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	
Vinyl chloride [75-01-4] ^	1.3		ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 18:26	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L17017	EPA 8260B	12/17/10 18:26	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	0L17017	EPA 8260B	12/17/10 18:26	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L17017	EPA 8260B	12/17/10 18:26	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-6

Lab Sample ID: A006603-14

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 12:05

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.42	I	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Tetrachloroethene [127-18-4] ^	1.3		ug/L	1	0.43	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Trichloroethene [79-01-6] ^	2.3		ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL17017	EPA 8260B	12/17/10 18:58	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	77 %	41-142	OL17017	EPA 8260B	12/17/10 18:58	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	OL17017	EPA 8260B	12/17/10 18:58	kat	
Toluene-d8	36	1	50.0	72 %	41-146	OL17017	EPA 8260B	12/17/10 18:58	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-5
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A006603-15
Sampled: 12/14/10 12:15
Sampled By: Jason Reed

Received: 12/14/10 15:15
Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	37		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Tetrachloroethene [127-18-4] ^	10		ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.48	I	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Trichloroethene [79-01-6] ^	23		ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	
Vinyl chloride [75-01-4] ^	1.0		ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 19:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	76 %	41-142	0L17017	EPA 8260B	12/17/10 19:31	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	0L17017	EPA 8260B	12/17/10 19:31	kat	
Toluene-d8	35	1	50.0	70 %	41-146	0L17017	EPA 8260B	12/17/10 19:31	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-4

Lab Sample ID: A006603-16

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 12:25

Work Order: A006603

Project: Deland NPL Site - GWs

Sampled By: Jason Reed

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
cis-1,2-Dichloroethene [156-59-2] ^	13		ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Tetrachloroethene [127-18-4] ^	9.6		ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Trichloroethene [79-01-6] ^	9.9		ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 20:03	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L17017	EPA 8260B	12/17/10 20:03	kat	
Dibromofluoromethane	47	1	50.0	94 %	53-146	0L17017	EPA 8260B	12/17/10 20:03	kat	
Toluene-d8	36	1	50.0	72 %	41-146	0L17017	EPA 8260B	12/17/10 20:03	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-2

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-17

Sampled: 12/14/10 12:30

Sampled By: Jason Reed

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
cis-1,2-Dichloroethene [156-59-2] ^	27		ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Tetrachloroethene [127-18-4] ^	200		ug/L	1	0.43	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
trans-1,2-Dichloroethene [156-60-5] ^	1.2		ug/L	1	0.47	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Trichloroethene [79-01-6] ^	50		ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL17017	EPA 8260B	12/17/10 20:35	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	78 %	41-142	OL17017	EPA 8260B	12/17/10 20:35	kat	
Dibromofluoromethane	47	1	50.0	93 %	53-146	OL17017	EPA 8260B	12/17/10 20:35	kat	
Toluene-d8	36	1	50.0	73 %	41-146	OL17017	EPA 8260B	12/17/10 20:35	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: EW-1

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A006603-18

Sampled: 12/14/10 12:40

Sampled By: Jason Reed

Received: 12/14/10 15:15

Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,1,1,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
cis-1,2-Dichloroethene [156-59-2] ^	2.0	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Tetrachloroethene [127-18-4] ^	53	U	ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Trichloroethene [79-01-6] ^	29	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 21:07	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	77 %	41-142	0L17017	EPA 8260B	12/17/10 21:07	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	0L17017	EPA 8260B	12/17/10 21:07	kat	
Toluene-d8	36	1	50.0	72 %	41-146	0L17017	EPA 8260B	12/17/10 21:07	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Dup 1
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A006603-19
Sampled: 12/14/10 00:00
Sampled By: Mike Geden

Received: 12/14/10 15:15
Work Order: A006603

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.94	I	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Tetrachloroethene [127-18-4] ^	0.44	I	ug/L	1	0.43	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L17017	EPA 8260B	12/17/10 21:39	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L17017	EPA 8260B	12/17/10 21:39	kat		
Dibromofluoromethane	47	1	50.0	94 %	53-146	0L17017	EPA 8260B	12/17/10 21:39	kat		
Toluene-d8	36	1	50.0	73 %	41-146	0L17017	EPA 8260B	12/17/10 21:39	kat		

Description: Dup 2

Lab Sample ID: A006603-20

Received: 12/14/10 15:15

Matrix: Ground Water

Sampled: 12/14/10 00:00

Work Order: A006603

Project: Deland NPL Site - GWS

Sampled By: Mike Geden

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
cis-1,2-Dichloroethene [156-59-2] ^	63		ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Dibromodichloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Dichlorodifluoromethane [75-71-8] ^	1.0		ug/L	1	0.75	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.91	I	ug/L	1	0.47	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Trichloroethene [79-01-6] ^	0.52	I	ug/L	1	0.39	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	
Vinyl chloride [75-01-4] ^	1.0		ug/L	1	0.48	1.0	OL17017	EPA 8260B	12/17/10 22:11	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	79 %	41-142	OL17017	EPA 8260B	12/17/10 22:11	kat	
Dibromofluoromethane	48	1	50.0	96 %	53-146	OL17017	EPA 8260B	12/17/10 22:11	kat	
Toluene-d8	36	1	50.0	72 %	41-146	OL17017	EPA 8260B	12/17/10 22:11	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L16022 - EPA 5030B_MS

Blank (0L16022-BLK1)

Prepared: 12/16/2010 14:41 Analyzed: 12/16/2010 16:24

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	47			ug/L	50.0		95	41-142			
Surrogate: Dibromofluoromethane	35			ug/L	50.0		70	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

LCS (0L16022-BS1)

Prepared: 12/16/2010 14:41 Analyzed: 12/16/2010 15:54

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		120	65-144			
Chlorobenzene	21		1.0	ug/L	20.0		104	77-127			
Trichloroethene	21		1.0	ug/L	20.0		104	83-133			
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		89	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		72	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike (0L16022-MS1)

Prepared: 12/16/2010 14:41 Analyzed: 12/16/2010 16:54

Source: A006879-01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L16022 - EPA 5030B_MS

Matrix Spike (0L16022-MS1) Continued

Prepared: 12/16/2010 14:41 Analyzed: 12/16/2010 16:54

Source: A006879-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.50 U	122	65-144			
Chlorobenzene	21		1.0	ug/L	20.0	0.37 U	104	77-127			
Trichloroethene	20		1.0	ug/L	20.0	0.39 U	98	83-133			
Surrogate: 4-Bromofluorobenzene	47			ug/L	50.0		94	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		71	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike Dup (0L16022-MSD1)

Prepared: 12/16/2010 14:41 Analyzed: 12/16/2010 17:24

Source: A006879-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	124	65-144	1	16	
Chlorobenzene	21		1.0	ug/L	20.0	0.37 U	106	77-127	2	13	
Trichloroethene	21		1.0	ug/L	20.0	0.39 U	104	83-133	6	20	
Surrogate: 4-Bromofluorobenzene	47			ug/L	50.0		95	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		73	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Batch 0L17017 - EPA 5030B_MS

Blank (0L17017-BLK1)

Prepared: 12/17/2010 10:15 Analyzed: 12/17/2010 12:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L17017 - EPA 50308_MS

Blank (0L17017-BLK1) Continued

Prepared: 12/17/2010 10:15 Analyzed: 12/17/2010 12:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	39			ug/L	50.0		78	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	36			ug/L	50.0		71	41-146			

LCS (0L17017-BS1)

Prepared: 12/17/2010 10:15 Analyzed: 12/17/2010 11:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	65-144			
Chlorobenzene	18		1.0	ug/L	20.0		89	77-127			
Trichloroethene	19		1.0	ug/L	20.0		93	83-133			
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		80	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Surrogate: Toluene-d8	36			ug/L	50.0		71	41-146			

Matrix Spike (0L17017-MS1)

Prepared: 12/17/2010 10:15 Analyzed: 12/17/2010 12:36

Source: A006733-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.50 U	96	65-144			
Chlorobenzene	17		1.0	ug/L	20.0	0.37 U	85	77-127			
Trichloroethene	18		1.0	ug/L	20.0	0.39 U	89	83-133			
Surrogate: 4-Bromofluorobenzene	41			ug/L	50.0		83	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		85	53-146			
Surrogate: Toluene-d8	37			ug/L	50.0		74	41-146			

Matrix Spike Dup (0L17017-MSD1)

Prepared: 12/17/2010 10:15 Analyzed: 12/17/2010 13:08

Source: A006733-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0	0.50 U	73	65-144	27	16	QM-11
Chlorobenzene	15		1.0	ug/L	20.0	0.37 U	76	77-127	11	13	QM-07
Trichloroethene	15		1.0	ug/L	20.0	0.39 U	77	83-133	14	20	QM-07
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		87	41-142			
Surrogate: Dibromofluoromethane	44			ug/L	50.0		87	53-146			
Surrogate: Toluene-d8	38			ug/L	50.0		76	41-146			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Cary, NC 27511

(919) 467-3090 Fax (919) 467-3516

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Page 1 of 2

Client Name Universal Engineering Sciences (UN001)		Project Number [none]		Requested Analytes				Requested Turnaround Times	
Address 3532 Maggie Blvd.		Project Name/Desc Deland NPL Site - GWs		8260B Halo 8260B Extended (Acetone)				Note: Rush requests subject to acceptance by the facility.	
City/State Orlando, FL 32811		PO # / Billing Info						Standard	
Tel (407) 423-0504		Fax (407) 423-2106						Expedited	
Sampler(s) Name, Affiliation (Print) M. Geden UES		Billing Contact Mike Geden						Due	
Sampler(s) Signature [Signature]		Site Location / Time Zone		Lab Workorder A006603					

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grad	Matrix (see codes)	Total # of Containers	HI	HI	Preservation (See Codes) (Corroborate as necessary)	Sample Comments
	TRIP BLANK 1	12-14-10	1000	G	GW	2	2	2		
	FLORIST		1010			3	3	3		
	MOBILE		1020			3				
	BYARD		1030			3				
	TAKASH		1040			3				
	DUCHESNEAU		1050			3				
	SMSR		1105			3				
	EW9		1115			3				
	EW8		1125			3				
	EW7		1130			3				
	INF		1155			3				
	EFF		1245			3				
						35	Total # of Containers			

Sample K1 Prepared By [Signature]	Date/Time 12/16/10 10:30	Relinquished By [Signature]	Date/Time 12/16/10 10:30	Received By [Signature]	Date/Time 12/14/10 0800
Comments/Special Reporting Requirements		Relinquished By [Signature]	Date/Time 12/14/10 1515	Received By [Signature]	Date/Time 12/14/10 15:15
Cooler # & Temp on Receipt C-744 2°C			Condition Upon Receipt Acceptable		

Matrix: GW-Groundwater SO-Soil BW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (define in comments)

Preservation: H-HCl H-HCl N-NH4OH S-H2SO4 NO-NaOH O-Other (define in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



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Tuesday, December 28, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - GWs

ENCO Workorder: A007039

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, December 23, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald Wambles".

Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW102	Lab ID: A007039-01	Sampled: 12/22/10 10:43	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 15:48

Client ID: MW101	Lab ID: A007039-02	Sampled: 12/22/10 11:11	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 16:18

Client ID: MW103	Lab ID: A007039-03	Sampled: 12/22/10 11:41	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 16:48

Client ID: MW104	Lab ID: A007039-04RE1	Sampled: 12/22/10 12:10	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/27/10 11:41	12/27/2010 22:32

Client ID: MW105	Lab ID: A007039-05	Sampled: 12/22/10 12:43	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 17:47

Client ID: IW12	Lab ID: A007039-06	Sampled: 12/22/10 13:14	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 18:17

Client ID: IW1	Lab ID: A007039-07RE1	Sampled: 12/22/10 13:45	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/27/10 11:41	12/27/2010 23:02

Client ID: MW106	Lab ID: A007039-08	Sampled: 12/22/10 14:17	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 19:17

Client ID: MW106	Lab ID: A007039-08RE1	Sampled: 12/22/10 14:17	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/27/10 11:41	12/27/2010 23:32

Client ID: IW6	Lab ID: A007039-09	Sampled: 12/22/10 14:47	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/05/11	12/26/10 13:50	12/26/2010 19:47

Client ID: MW107	Lab ID: A007039-10	Sampled: 12/23/10 08:38	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 20:17

Client ID: MW111	Lab ID: A007039-11	Sampled: 12/23/10 09:05	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 20:47

Client ID: MW114	Lab ID: A007039-12	Sampled: 12/23/10 09:46	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 21:17

Client ID: MW108	Lab ID: A007039-13	Sampled: 12/23/10 10:17	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 21:47

Client ID: MW109	Lab ID: A007039-14	Sampled: 12/23/10 10:44	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 22:17

Client ID: DUP01	Lab ID: A007039-15	Sampled: 12/23/10 11:15	Received: 12/23/10 13:55
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/06/11	12/26/10 13:50	12/26/2010 22:47

SAMPLE DETECTION SUMMARY

Client ID: MW102 **Lab ID: A007039-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	9.2		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.66	I	0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	0.83	I	0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	0.83	I	0.39	1.0	ug/L	EPA 8260B	

Client ID: MW101 **Lab ID: A007039-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	10		2.1	5.0	ug/L	EPA 8260B	

Client ID: MW103 **Lab ID: A007039-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	8.2		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	16		0.41	1.0	ug/L	EPA 8260B	
Trichloroethene	5.2		0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	3.5		0.48	1.0	ug/L	EPA 8260B	

Client ID: MW104 **Lab ID: A007039-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	16		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	5.4		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	190		0.43	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.66	I	0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	28		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW105 **Lab ID: A007039-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	470		2.0	5.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	2.8	I	2.4	5.0	ug/L	EPA 8260B	
Trichloroethene	240		2.0	5.0	ug/L	EPA 8260B	
Vinyl chloride	11		2.4	5.0	ug/L	EPA 8260B	

Client ID: IW12 **Lab ID: A007039-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	0.94	I	0.45	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	1.4		0.50	1.0	ug/L	EPA 8260B	
Acetone	9.6		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	33		0.41	1.0	ug/L	EPA 8260B	
Dichlorodifluoromethane	14		0.75	1.0	ug/L	EPA 8260B	
Tetrachloroethene	95		0.43	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	1.9		0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	170		0.39	1.0	ug/L	EPA 8260B	

Client ID: IW1 **Lab ID: A007039-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	95		0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	0.55	I	0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	1.5		0.39	1.0	ug/L	EPA 8260B	



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Client ID: MW106 **Lab ID:** A007039-08

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Trichloroethene	94		2.0	5.0	ug/L	EPA 8260B	
Vinyl chloride	2.8	I	2.4	5.0	ug/L	EPA 8260B	

Client ID: MW106 **Lab ID:** A007039-08RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1000		8.2	20	ug/L	EPA 8260B	

Client ID: IW6 **Lab ID:** A007039-09

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	0.98	I	0.45	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	1.1		0.50	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	24		0.41	1.0	ug/L	EPA 8260B	
Dichlorodifluoromethane	7.2		0.75	1.0	ug/L	EPA 8260B	
Tetrachloroethene	4.5		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	120		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW107 **Lab ID:** A007039-10

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	8.1		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.67	I	0.41	1.0	ug/L	EPA 8260B	
Trichloroethene	1.8		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW111 **Lab ID:** A007039-11

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	8.0		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.7		0.41	1.0	ug/L	EPA 8260B	

Client ID: MW114 **Lab ID:** A007039-12

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	45		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	5.1		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW108 **Lab ID:** A007039-13

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	0.45	I	0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	110		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	6.9		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW109 **Lab ID:** A007039-14

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	6.6		0.43	1.0	ug/L	EPA 8260B	

Client ID: DUP01 **Lab ID:** A007039-15

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	5.2		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.46	I	0.41	1.0	ug/L	EPA 8260B	
Tetrachloroethene	42		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	5.0		0.39	1.0	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: MW102

Lab Sample ID: A007039-01

Received: 12/23/10 13:55

Matrix: Ground Water

Sampled: 12/22/10 10:43

Work Order: A007039

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Acetone [67-64-1] ^	9.2		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.66	I	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Tetrachloroethene [127-18-4] ^	0.83	I	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Trichloroethene [79-01-6] ^	0.83	I	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 15:48	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 15:48	kat	
Dibromofluoromethane	36	1	50.0	73 %	53-146	0L26001	EPA 8260B	12/26/10 15:48	kat	
Toluene-d8	45	1	50.0	90 %	41-146	0L26001	EPA 8260B	12/26/10 15:48	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW101

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-02

Sampled: 12/22/10 11:11

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Acetone [67-64-1] ^	10		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 16:18	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 16:18	kat	
Dibromofluoromethane	37	1	50.0	74 %	53-146	0L26001	EPA 8260B	12/26/10 16:18	kat	
Toluene-d8	44	1	50.0	88 %	41-146	0L26001	EPA 8260B	12/26/10 16:18	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW103

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-03

Sampled: 12/22/10 11:41

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Acetone [67-64-1] ^	8.2		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
cis-1,2-Dichloroethene [156-59-2] ^	16		ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Trichloroethene [79-01-6] ^	5.2		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	
Vinyl chloride [75-01-4] ^	3.5		ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 16:48	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	95 %	41-142	0L26001	EPA 8260B	12/26/10 16:48	kat	
Dibromofluoromethane	37	1	50.0	74 %	53-146	0L26001	EPA 8260B	12/26/10 16:48	kat	
Toluene-d8	44	1	50.0	87 %	41-146	0L26001	EPA 8260B	12/26/10 16:48	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW104

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-04

Sampled: 12/22/10 12:10

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Acetone [67-64-1] ^	1.6		ug/L	1	2.1	5.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	5.4		ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Tetrachloroethene [127-18-4] ^	190		ug/L	1	0.43	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.66	I	ug/L	1	0.47	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Trichloroethene [79-01-6] ^	28		ug/L	1	0.39	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L27014	EPA 8260B	12/27/10 22:32	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	41-142	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Dibromofluoromethane	39	1	50.0	78 %	53-146	0L27014	EPA 8260B	12/27/10 22:32	kdw	
Toluene-d8	42	1	50.0	84 %	41-146	0L27014	EPA 8260B	12/27/10 22:32	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW105

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-05

Sampled: 12/22/10 12:43

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.2	U	ug/L	5	1.2	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,1-Dichloroethane [75-34-3] ^	2.2	U	ug/L	5	2.2	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,1-Dichloroethene [75-35-4] ^	2.5	U	ug/L	5	2.5	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	1.6	U	ug/L	5	1.6	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,2-Dichloroethane [107-06-2] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,2-Dichloropropane [78-87-5] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Acetone [67-64-1] ^	10	U	ug/L	5	10	25	0L26001	EPA 8260B	12/26/10 17:47	kat	
Bromodichloromethane [75-27-4] ^	1.6	U	ug/L	5	1.6	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Bromoform [75-25-2] ^	1.1	U	ug/L	5	1.1	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Carbon tetrachloride [56-23-5] ^	2.6	U	ug/L	5	2.6	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Chlorobenzene [108-90-7] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Chloroethane [75-00-3] ^	3.3	U	ug/L	5	3.3	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Chloroform [67-66-3] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Chloromethane [74-87-3] ^	2.6	U	ug/L	5	2.6	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	470		ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	1.5	U	ug/L	5	1.5	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Dibromochloromethane [124-48-1] ^	1.2	U	ug/L	5	1.2	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Dichlorodifluoromethane [75-71-8] ^	3.8	U	ug/L	5	3.8	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Methylene chloride [75-09-2] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Tetrachloroethene [127-18-4] ^	2.2	U	ug/L	5	2.2	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	2.8	I	ug/L	5	2.4	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Trichloroethene [79-01-6] ^	240		ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Trichlorofluoromethane [75-69-4] ^	2.8	U	ug/L	5	2.8	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	
Vinyl chloride [75-01-4] ^	11		ug/L	5	2.4	5.0	0L26001	EPA 8260B	12/26/10 17:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	41-142	0L26001	EPA 8260B	12/26/10 17:47	kat	
Dibromofluoromethane	37	1	50.0	74 %	53-146	0L26001	EPA 8260B	12/26/10 17:47	kat	
Toluene-d8	41	1	50.0	83 %	41-146	0L26001	EPA 8260B	12/26/10 17:47	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW12

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-06

Sampled: 12/22/10 13:14

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.94	I	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,1-Dichloroethene [75-35-4] ^	1.4		ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Acetone [67-64-1] ^	9.6		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	33		ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Dichlorodifluoromethane [75-71-8] ^	14		ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Tetrachloroethene [127-18-4] ^	95		ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	1.9		ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Trichloroethene [79-01-6] ^	170		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 18:17	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 18:17	kat	
Dibromofluoromethane	39	1	50.0	79 %	53-146	0L26001	EPA 8260B	12/26/10 18:17	kat	
Toluene-d8	41	1	50.0	83 %	41-146	0L26001	EPA 8260B	12/26/10 18:17	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW1

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-07

Sampled: 12/22/10 13:45

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,1-Dichloroethane [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	95		ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Tetrachloroethene [127-18-4] ^	0.55	I	ug/L	1	0.43	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Trichloroethene [79-01-6] ^	1.5		ug/L	1	0.39	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L27014	EPA 8260B	12/27/10 23:02	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	41-142	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Dibromofluoromethane	39	1	50.0	78 %	53-146	0L27014	EPA 8260B	12/27/10 23:02	kdw	
Toluene-d8	43	1	50.0	85 %	41-146	0L27014	EPA 8260B	12/27/10 23:02	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW106

Lab Sample ID: A007039-08

Received: 12/23/10 13:55

Matrix: Ground Water

Sampled: 12/22/10 14:17

Work Order: A007039

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.2	U	ug/L	5	1.2	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,1-Dichloroethane [75-34-3] ^	2.2	U	ug/L	5	2.2	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,1-Dichloroethene [75-35-4] ^	2.5	U	ug/L	5	2.5	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	1.6	U	ug/L	5	1.6	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,2-Dichloroethane [107-06-2] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,2-Dichloropropane [78-87-5] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	1.7	U	ug/L	5	1.7	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Acetone [67-64-1] ^	10	U	ug/L	5	10	25	0L26001	EPA 8260B	12/26/10 19:17	kat	
Bromodichloromethane [75-27-4] ^	1.6	U	ug/L	5	1.6	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Bromoform [75-25-2] ^	1.1	U	ug/L	5	1.1	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Carbon tetrachloride [56-23-5] ^	2.6	U	ug/L	5	2.6	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Chlorobenzene [108-90-7] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Chloroethane [75-00-3] ^	3.3	U	ug/L	5	3.3	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Chloroform [67-66-3] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Chloromethane [74-87-3] ^	2.6	U	ug/L	5	2.6	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	1000		ug/L	20	8.2	20	0L27014	EPA 8260B	12/27/10 23:32	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	1.5	U	ug/L	5	1.5	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Dibromochloromethane [124-48-1] ^	1.2	U	ug/L	5	1.2	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Dichlorodifluoromethane [75-71-8] ^	3.8	U	ug/L	5	3.8	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Methylene chloride [75-09-2] ^	2.0	U	ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Tetrachloroethene [127-18-4] ^	2.2	U	ug/L	5	2.2	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	2.4	U	ug/L	5	2.4	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	1.8	U	ug/L	5	1.8	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Trichloroethene [79-01-6] ^	94		ug/L	5	2.0	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Trichlorofluoromethane [75-69-4] ^	2.8	U	ug/L	5	2.8	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Vinyl chloride [75-01-4] ^	2.8	I	ug/L	5	2.4	5.0	0L26001	EPA 8260B	12/26/10 19:17	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	43	1	50.0	86 %	41-142	0L26001	EPA 8260B	12/26/10 19:17	kat		
Dibromofluoromethane	39	1	50.0	79 %	53-146	0L26001	EPA 8260B	12/26/10 19:17	kat		
Toluene-d8	42	1	50.0	85 %	41-146	0L26001	EPA 8260B	12/26/10 19:17	kat		

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW6

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-09

Sampled: 12/22/10 14:47

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.98	I	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,1-Dichloroethene [75-35-4] ^	1.1		ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	24		ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Dichlorodifluoromethane [75-71-8] ^	7.2		ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Tetrachloroethene [127-18-4] ^	4.5		ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Trichloroethene [79-01-6] ^	120		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 19:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L26001	EPA 8260B	12/26/10 19:47	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L26001	EPA 8260B	12/26/10 19:47	kat	
Toluene-d8	42	1	50.0	84 %	41-146	0L26001	EPA 8260B	12/26/10 19:47	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MW107

Lab Sample ID: A007039-10

Received: 12/23/10 13:55

Matrix: Ground Water

Sampled: 12/23/10 08:38

Work Order: A007039

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC EB3182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Acetone [67-64-1] ^	8.1		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.67	I	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Trichloroethene [79-01-6] ^	1.8		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 20:17	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142		0L26001	EPA 8260B	12/26/10 20:17	kat	
Dibromofluoromethane	39	1	50.0	77 %	53-146		0L26001	EPA 8260B	12/26/10 20:17	kat	
Toluene-d8	42	1	50.0	84 %	41-146		0L26001	EPA 8260B	12/26/10 20:17	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW111
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A007039-11
Sampled: 12/23/10 09:05
Sampled By: John Munsch

Received: 12/23/10 13:55
Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Acetone [67-64-1] ^	8.0		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	1.7		ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 20:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	89 %	41-142	0L26001	EPA 8260B	12/26/10 20:47	kat	
Dibromofluoromethane	40	1	50.0	81 %	53-146	0L26001	EPA 8260B	12/26/10 20:47	kat	
Toluene-d8	43	1	50.0	86 %	41-146	0L26001	EPA 8260B	12/26/10 20:47	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW114

Lab Sample ID: A007039-12

Received: 12/23/10 13:55

Matrix: Ground Water

Sampled: 12/23/10 09:46

Work Order: A007039

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,2-Dichloroethane [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Tetrachloroethene [127-18-4] ^	45		ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Trichloroethene [79-01-6] ^	5.1		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 21:17	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 21:17	kat	
Dibromofluoromethane	41	1	50.0	81 %	53-146	0L26001	EPA 8260B	12/26/10 21:17	kat	
Toluene-d8	43	1	50.0	85 %	41-146	0L26001	EPA 8260B	12/26/10 21:17	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW108

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007039-13

Sampled: 12/23/10 10:17

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.45	I	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Tetrachloroethene [127-18-4] ^	110		ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Trichloroethene [79-01-6] ^	6.9		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 21:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 21:47	kat	
Dibromofluoromethane	42	1	50.0	84 %	53-146	0L26001	EPA 8260B	12/26/10 21:47	kat	
Toluene-d8	45	1	50.0	89 %	41-146	0L26001	EPA 8260B	12/26/10 21:47	kat	

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Description: MW109

Lab Sample ID: A007039-14

Received: 12/23/10 13:55

Matrix: Ground Water

Sampled: 12/23/10 10:44

Work Order: A007039

Project: Deland NPL Site - GWS

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Tetrachloroethene [127-18-4] ^	6.6	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 22:17	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	85 %	41-142	0L26001	EPA 8260B	12/26/10 22:17	kat	
Dibromofluoromethane	39	1	50.0	78 %	53-146	0L26001	EPA 8260B	12/26/10 22:17	kat	
Toluene-d8	43	1	50.0	87 %	41-146	0L26001	EPA 8260B	12/26/10 22:17	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: DUP01

Matrix: Ground Water

Project: Deland NPL Site - GWS

Lab Sample ID: A007039-15

Sampled: 12/23/10 11:15

Sampled By: John Munsch

Received: 12/23/10 13:55

Work Order: A007039

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Acetone [67-64-1] ^	5.2		ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.46	I	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Tetrachloroethene [127-18-4] ^	42		ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Trichloroethene [79-01-6] ^	5.0		ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 22:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	0L26001	EPA 8260B	12/26/10 22:47	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L26001	EPA 8260B	12/26/10 22:47	kat	
Toluene-d8	43	1	50.0	85 %	41-146	0L26001	EPA 8260B	12/26/10 22:47	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L26001 - EPA 50308_MS

Blank (0L26001-BLK1)

Prepared: 12/26/2010 12:00 Analyzed: 12/26/2010 14:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		71	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		87	41-146			

LCS (0L26001-BS1)

Prepared: 12/26/2010 12:00 Analyzed: 12/26/2010 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		123	65-144			
Chlorobenzene	20		1.0	ug/L	20.0		101	77-127			
Trichloroethene	22		1.0	ug/L	20.0		110	83-133			
Surrogate: 4-Bromofluorobenzene	51			ug/L	50.0		103	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	55			ug/L	50.0		109	41-146			

Matrix Spike (0L26001-MS1)

Prepared: 12/26/2010 13:50 Analyzed: 12/26/2010 14:48

Source: A007039-01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L26001 - EPA 5030B_MS

Matrix Spike (0L26001-MS1) Continued

Prepared: 12/26/2010 13:50 Analyzed: 12/26/2010 14:48

Source: A007039-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.50 U	128	65-144			
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	112	77-127			
Trichloroethene	23		1.0	ug/L	20.0	0.83	111	83-133			
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		92	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		72	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike Dup (0L26001-MSD1)

Prepared: 12/26/2010 13:50 Analyzed: 12/26/2010 15:18

Source: A007039-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	127	65-144	0.7	16	
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	111	77-127	1	13	
Trichloroethene	23		1.0	ug/L	20.0	0.83	111	83-133	0.7	20	
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		75	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Batch 0L27014 - EPA 5030B_MS

Blank (0L27014-BLK1)

Prepared: 12/27/2010 11:41 Analyzed: 12/27/2010 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L27014 - EPA 50308_MS

Blank (0L27014-BLK1) Continued

Prepared: 12/27/2010 11:41 Analyzed: 12/27/2010 13:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		74	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		89	41-146			

LCS (0L27014-BS1)

Prepared: 12/27/2010 11:41 Analyzed: 12/27/2010 12:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		119	65-144			
Chlorobenzene	20		1.0	ug/L	20.0		98	77-127			
Trichloroethene	21		1.0	ug/L	20.0		103	83-133			
Surrogate: 4-Bromofluorobenzene	41			ug/L	50.0		81	41-142			
Surrogate: Dibromofluoromethane	32			ug/L	50.0		64	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike (0L27014-MS1)

Prepared: 12/27/2010 11:41 Analyzed: 12/27/2010 13:38

Source: A006633-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.50 U	121	65-144			
Chlorobenzene	22		1.0	ug/L	20.0	0.95	105	77-127			
Trichloroethene	26		1.0	ug/L	20.0	4.1	107	83-133			
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		73	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		89	41-146			

Matrix Spike Dup (0L27014-MSD1)

Prepared: 12/27/2010 11:41 Analyzed: 12/27/2010 14:08

Source: A006633-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.50 U	130	65-144	7	16	
Chlorobenzene	23		1.0	ug/L	20.0	0.95	108	77-127	2	13	
Trichloroethene	25		1.0	ug/L	20.0	4.1	107	83-133	0.3	20	
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	39			ug/L	50.0		77	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		89	41-146			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.



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Page 1 of 2

Lab Workorder
A006603
A007039

5-- Total # of Containers

Sample Kit Prepared By <i>S</i>	Date/Time 12/6/10 ⁰²⁰	Requisitioned By <i>[Signature]</i>	Total # of Containers <i>1</i>	Date/Time 12/6/10 ⁰²⁰	Received By <i>[Signature]</i>	Date/Time 12/6/10 ⁰³⁰
Comments/Special Reporting Requirements		Requisitioned By <i>[Signature]</i>		Date/Time 12/6/10 ⁰²⁰	Received By <i>[Signature]</i>	Date/Time 12/8/10 ¹³³⁰
		Requisitioned By <i>[Signature]</i>		Date/Time 12/6/10 ⁰²⁰	Received By <i>[Signature]</i>	Date/Time 12/8/10 ¹³³⁰
		Requisitioned By <i>[Signature]</i>		Date/Time 12/6/10 ⁰²⁰	Received By <i>[Signature]</i>	Date/Time 12/8/10 ¹³³⁰
		Cooler #'s & Temps on Receipt OR-2 0°C			Condition Upon Receipt ✓ Acceptable Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-HCl B-HNO3 R-H2SO4 N-NaOH O-Other (detail in comments)

1. A sample submitted to ECHO Lab is in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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102-A Woodside Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Page 2 of 2

Client Name Universal Engineering Sciences (UN001)		Project Number [none]		Requested Analyses								Requested Turnaround Times			
Address 3532 Maggle Blvd.		Project Name/Desc Deland NPL Site - GWs		8260B Halo 8260B Extended (Acetone)								Note: Rush requests subject to acceptance by the facility			
City/State Orlando, FL 32811		PO # / Bc. ng Info										___ Standard			
Tel (407) 423-0504		Fax (407) 423-2106										___ Expedited			
Reporting Contact Mike Geden		Due <u> </u> / <u> </u> / <u> </u>													
Samples Name, Affiliation (Print) <i>John M. Geden CES</i>		Billing Contact Mike Geden		Lab Workorder A006603 A007037											
Sample ID Signature <i>[Signature]</i>		Site Location / Time Zone		Preservation (See Codes) (Combine as necessary)								Sample Comments			
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	HI	HI							
	MW107	12/23/10	8:38	G	GW	3	X	X							
	MW111		9:05			3	X	X							
	MW114		9:40			3	X	X							
	MW108		10:17			3	X	X							
	MW109		10:44			3	X	X							
	DUP01		11:15			3	X	X							

Sample Kit Prepared By <i>[Signature]</i>	Date/Time 12/26/10 10:00	Requested By <i>[Signature]</i>	Date/Time 12/26/10 10:00	Received By <i>[Signature]</i>	Date/Time 12/23/10 6:30
Comments/Special Reporting Requirements		Requested By <i>[Signature]</i>	Date/Time 12/23/10 12:40	Received By <i>[Signature]</i>	Date/Time 12/23/10 13:30
		Requested By <i>[Signature]</i>	Date/Time 12/23/10 12:40	Received By <i>[Signature]</i>	Date/Time 12/23/10 15:55
Cooler # & Temp on Receipt OR-2 0°C			Condition Upon Receipt ☒ Acceptable ☐ Unacceptable		

Matrix: GW-Groundwater SD Sol DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)
Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form unless prior written agreement exists.

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



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Thursday, January 6, 2011

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - GWs

ENCO Workorder: A007075

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 29, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald Wambles".

Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW113	Lab ID: A007075-01	Sampled: 12/27/10 12:32	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/10/11	12/31/10 10:37	12/31/2010 14:01

Client ID: MW110	Lab ID: A007075-02	Sampled: 12/27/10 13:18	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/10/11	12/31/10 10:37	12/31/2010 14:30

Client ID: MW112	Lab ID: A007075-03	Sampled: 12/27/10 13:51	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/10/11	12/31/10 10:37	12/31/2010 15:00

Client ID: MW116	Lab ID: A007075-04	Sampled: 12/27/10 14:24	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/10/11	12/31/10 10:37	12/31/2010 15:30

Client ID: MW123	Lab ID: A007075-05	Sampled: 12/27/10 14:58	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/10/11	12/31/10 10:37	12/31/2010 16:00

Client ID: MW121	Lab ID: A007075-06	Sampled: 12/28/10 09:14	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 16:30

Client ID: MW122	Lab ID: A007075-07	Sampled: 12/28/10 09:46	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 17:01

Client ID: MW115	Lab ID: A007075-08	Sampled: 12/28/10 10:19	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 17:31

Client ID: MW119	Lab ID: A007075-09	Sampled: 12/28/10 10:50	Received: 12/29/10 16:18
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 18:01



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Client ID: MW117	Lab ID: A007075-10	Sampled: 12/28/10 11:32	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 18:31

Client ID: MW124	Lab ID: A007075-11	Sampled: 12/28/10 12:08	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 19:01

Client ID: MW120	Lab ID: A007075-12	Sampled: 12/28/10 12:58	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 19:31

Client ID: DUP02	Lab ID: A007075-13	Sampled: 12/28/10 13:31	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 20:01

Client ID: IW-40	Lab ID: A007075-14	Sampled: 12/28/10 10:20	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 20:31

Client ID: IW-30	Lab ID: A007075-15	Sampled: 12/28/10 11:35	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 21:01

Client ID: IW-13	Lab ID: A007075-16	Sampled: 12/28/10 12:55	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	12/31/10 10:37	12/31/2010 21:31

Client ID: IW-10	Lab ID: A007075-17	Sampled: 12/28/10 14:22	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	01/04/11 15:41	1/4/2011 17:14

Client ID: IW-2	Lab ID: A007075-18	Sampled: 12/28/10 15:15	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	01/04/11 15:41	1/4/2011 17:44



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Client ID: IW-8	Lab ID: A007075-19	Sampled: 12/29/10 09:28	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 18:14

Client ID: MW-206	Lab ID: A007075-20	Sampled: 12/29/10 10:58	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 18:44

Client ID: IW-18	Lab ID: A007075-21	Sampled: 12/29/10 11:35	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 19:14

Client ID: MW-203	Lab ID: A007075-22	Sampled: 12/29/10 13:20	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 19:44

Client ID: MW-204	Lab ID: A007075-23	Sampled: 12/29/10 14:30	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 20:14

Client ID: DUPE 101	Lab ID: A007075-24	Sampled: 12/29/10 00:00	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/12/11	01/04/11 15:41	1/4/2011 20:44

Client ID: TRIP BLANK#4	Lab ID: A007075-25	Sampled: 12/28/10 00:00	Received: 12/29/10 16:18
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Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/11/11	01/04/11 15:41	1/4/2011 21:14



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SAMPLE DETECTION SUMMARY

Client ID: MW110		Lab ID: A007075-02						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Tetrachloroethene	0.53	I	0.43	1.0	ug/L	EPA 8260B		

Client ID: MW112		Lab ID: A007075-03						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Acetone	18		2.1	5.0	ug/L	EPA 8260B		

Client ID: MW116		Lab ID: A007075-04						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Acetone	12		2.1	5.0	ug/L	EPA 8260B		
cis-1,2-Dichloroethene	2.7		0.41	1.0	ug/L	EPA 8260B		
Tetrachloroethene	4.8		0.43	1.0	ug/L	EPA 8260B		
Trichloroethene	6.4		0.39	1.0	ug/L	EPA 8260B		

Client ID: MW123		Lab ID: A007075-05						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Acetone	13		2.1	5.0	ug/L	EPA 8260B		
cis-1,2-Dichloroethene	14		0.41	1.0	ug/L	EPA 8260B		
Trichloroethene	12		0.39	1.0	ug/L	EPA 8260B		

Client ID: MW121		Lab ID: A007075-06						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
cis-1,2-Dichloroethene	0.93	I	0.41	1.0	ug/L	EPA 8260B		
Tetrachloroethene	31		0.43	1.0	ug/L	EPA 8260B		
Trichloroethene	4.6		0.39	1.0	ug/L	EPA 8260B		

Client ID: MW122		Lab ID: A007075-07						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
cis-1,2-Dichloroethene	36		0.41	1.0	ug/L	EPA 8260B		
Tetrachloroethene	0.43	I	0.43	1.0	ug/L	EPA 8260B		
Trichloroethene	12		0.39	1.0	ug/L	EPA 8260B		

Client ID: MW115		Lab ID: A007075-08						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
cis-1,2-Dichloroethene	0.53	I	0.41	1.0	ug/L	EPA 8260B		
Tetrachloroethene	63		0.43	1.0	ug/L	EPA 8260B		
Trichloroethene	3.8		0.39	1.0	ug/L	EPA 8260B		

Client ID: MW119		Lab ID: A007075-09						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Acetone	9.6		2.1	5.0	ug/L	EPA 8260B		
Tetrachloroethene	0.88	I	0.43	1.0	ug/L	EPA 8260B		
Trichloroethene	0.89	I	0.39	1.0	ug/L	EPA 8260B		

Client ID: MW117		Lab ID: A007075-10						
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes	
Acetone	6.8		2.1	5.0	ug/L	EPA 8260B		
cis-1,2-Dichloroethene	0.94	I	0.41	1.0	ug/L	EPA 8260B		
Tetrachloroethene	29		0.43	1.0	ug/L	EPA 8260B		



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Client ID: MW117	Lab ID: A007075-10						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Trichloroethene	7.2		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW124	Lab ID: A007075-11						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	9.0		2.1	5.0	ug/L	EPA 8260B	

Client ID: MW120	Lab ID: A007075-12						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	38		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	2.7		0.39	1.0	ug/L	EPA 8260B	

Client ID: DUP02	Lab ID: A007075-13						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	37		0.43	1.0	ug/L	EPA 8260B	
Trichloroethene	2.7		0.39	1.0	ug/L	EPA 8260B	

Client ID: IW-2	Lab ID: A007075-18						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	2.6		0.41	1.0	ug/L	EPA 8260B	
Vinyl chloride	0.60	I	0.48	1.0	ug/L	EPA 8260B	

Client ID: IW-8	Lab ID: A007075-19						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethene	0.52	I	0.50	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	6.8		0.41	1.0	ug/L	EPA 8260B	
Vinyl chloride	5.7		0.48	1.0	ug/L	EPA 8260B	

Client ID: MW-203	Lab ID: A007075-22						
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	3.8		0.41	1.0	ug/L	EPA 8260B	



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ANALYTICAL RESULTS

Description: MW113

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-01

Sampled: 12/27/10 12:32

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 14:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	89 %	41-142	0L31005	EPA 8260B	12/31/10 14:01	kat	
Dibromofluoromethane	36	1	50.0	73 %	53-146	0L31005	EPA 8260B	12/31/10 14:01	kat	
Toluene-d8	43	1	50.0	86 %	41-146	0L31005	EPA 8260B	12/31/10 14:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW110

Lab Sample ID: A007075-02

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/27/10 13:18

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Tetrachloroethene [127-18-4] ^	0.53	I	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 14:30	kat	

Surrogates	Results	DF	Spiked Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	97 %	41-142	0L31005	EPA 8260B	12/31/10 14:30	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L31005	EPA 8260B	12/31/10 14:30	kat	
Toluene-d8	47	1	50.0	94 %	41-146	0L31005	EPA 8260B	12/31/10 14:30	kat	

Description: MW112

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-03

Sampled: 12/27/10 13:51

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Acetone [67-64-1] ^	18		ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 15:00	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	0L31005	EPA 8260B	12/31/10 15:00	kat	
Dibromofluoromethane	38	1	50.0	77 %	53-146	0L31005	EPA 8260B	12/31/10 15:00	kat	
Toluene-d8	43	1	50.0	86 %	41-146	0L31005	EPA 8260B	12/31/10 15:00	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW116

Lab Sample ID: A007075-04

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/27/10 14:24

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Acetone [67-64-1] ^	12		ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
cis-1,2-Dichloroethene [156-59-2] ^	2.7		ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Tetrachloroethene [127-18-4] ^	4.8		ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Trichloroethene [79-01-6] ^	6.4		ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 15:30	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L31005	EPA 8260B	12/31/10 15:30	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L31005	EPA 8260B	12/31/10 15:30	kat	
Toluene-d8	44	1	50.0	88 %	41-146	0L31005	EPA 8260B	12/31/10 15:30	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW123

Lab Sample ID: A007075-05

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/27/10 14:58

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Acetone [67-64-1] ^	13		ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
cis-1,2-Dichloroethene [156-59-2] ^	14		ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Trichloroethene [79-01-6] ^	12		ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 16:00	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L31005	EPA 8260B	12/31/10 16:00	kat	
Dibromofluoromethane	41	1	50.0	83 %	53-146	0L31005	EPA 8260B	12/31/10 16:00	kat	
Toluene-d8	42	1	50.0	84 %	41-146	0L31005	EPA 8260B	12/31/10 16:00	kat	

Description: MW121

Lab Sample ID: A007075-06

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 09:14

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.93	I	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Tetrachloroethene [127-18-4] ^	31		ug/L	1	0.43	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Trichloroethene [79-01-6] ^	4.6		ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL31005	EPA 8260B	12/31/10 16:30	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	OL31005	EPA 8260B	12/31/10 16:30	kat		
Dibromofluoromethane	41	1	50.0	81 %	53-146	OL31005	EPA 8260B	12/31/10 16:30	kat		
Toluene-d8	44	1	50.0	89 %	41-146	OL31005	EPA 8260B	12/31/10 16:30	kat		

Description: MW122

Lab Sample ID: A007075-07

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 09:46

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	36		ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	I	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Trichloroethene [79-01-6] ^	12		ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 17:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	0L31005	EPA 8260B	12/31/10 17:01	kat	
Dibromofluoromethane	38	1	50.0	76 %	53-146	0L31005	EPA 8260B	12/31/10 17:01	kat	
Toluene-d8	41	1	50.0	83 %	41-146	0L31005	EPA 8260B	12/31/10 17:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW115

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-08

Sampled: 12/28/10 10:19

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.53	I	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Tetrachloroethene [127-18-4] ^	63		ug/L	1	0.43	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Trichloroethene [79-01-6] ^	3.8		ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL31005	EPA 8260B	12/31/10 17:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	41-142	OL31005	EPA 8260B	12/31/10 17:31	kat	
Dibromofluoromethane	39	1	50.0	78 %	53-146	OL31005	EPA 8260B	12/31/10 17:31	kat	
Toluene-d8	41	1	50.0	82 %	41-146	OL31005	EPA 8260B	12/31/10 17:31	kat	

Description: MW119

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-09

Sampled: 12/28/10 10:50

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Acetone [67-64-1] ^	9.6		ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Tetrachloroethene [127-18-4] ^	0.88	I	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Trichloroethene [79-01-6] ^	0.89	I	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 18:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	0L31005	EPA 8260B	12/31/10 18:01	kat	
Dibromofluoromethane	39	1	50.0	79 %	53-146	0L31005	EPA 8260B	12/31/10 18:01	kat	
Toluene-d8	42	1	50.0	85 %	41-146	0L31005	EPA 8260B	12/31/10 18:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW117

Lab Sample ID: A007075-10

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 11:32

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Acetone [67-64-1] ^	6.8		ug/L	1	2.1	5.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.94	I	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Tetrachloroethene [127-18-4] ^	29		ug/L	1	0.43	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Trichloroethene [79-01-6] ^	7.2		ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL31005	EPA 8260B	12/31/10 18:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	41-142	OL31005	EPA 8260B	12/31/10 18:31	kat	
Dibromofluoromethane	39	1	50.0	79 %	53-146	OL31005	EPA 8260B	12/31/10 18:31	kat	
Toluene-d8	42	1	50.0	85 %	41-146	OL31005	EPA 8260B	12/31/10 18:31	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW124

Lab Sample ID: A007075-11

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 12:08

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Acetone [67-64-1] ^	9.0		ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 19:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	89 %	41-142	0L31005	EPA 8260B	12/31/10 19:01	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L31005	EPA 8260B	12/31/10 19:01	kat	
Toluene-d8	42	1	50.0	85 %	41-146	0L31005	EPA 8260B	12/31/10 19:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW120

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-12

Sampled: 12/28/10 12:58

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Tetrachloroethene [127-18-4] ^	38		ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Trichloroethene [79-01-6] ^	2.7		ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 19:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	41-142	0L31005	EPA 8260B	12/31/10 19:31	kat	
Dibromofluoromethane	39	1	50.0	78 %	53-146	0L31005	EPA 8260B	12/31/10 19:31	kat	
Toluene-d8	43	1	50.0	85 %	41-146	0L31005	EPA 8260B	12/31/10 19:31	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: DUP02

Lab Sample ID: A007075-13

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 13:31

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Tetrachloroethene [127-18-4] ^	37		ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Trichloroethene [79-01-6] ^	2.7		ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 20:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	0L31005	EPA 8260B	12/31/10 20:01	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L31005	EPA 8260B	12/31/10 20:01	kat	
Toluene-d8	43	1	50.0	85 %	41-146	0L31005	EPA 8260B	12/31/10 20:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW-40

Lab Sample ID: A007075-14

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 10:20

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L31005	EPA 8260B	12/31/10 20:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	0L31005	EPA 8260B	12/31/10 20:31	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L31005	EPA 8260B	12/31/10 20:31	kat	
Toluene-d8	43	1	50.0	86 %	41-146	0L31005	EPA 8260B	12/31/10 20:31	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW-30

Lab Sample ID: A007075-15

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 11:35

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Dibromodichloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL31005	EPA 8260B	12/31/10 21:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	41-142	OL31005	EPA 8260B	12/31/10 21:01	kat	
Dibromofluoromethane	39	1	50.0	79 %	53-146	OL31005	EPA 8260B	12/31/10 21:01	kat	
Toluene-d8	44	1	50.0	88 %	41-146	OL31005	EPA 8260B	12/31/10 21:01	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW-13

Lab Sample ID: A007075-16

Received: 12/29/10 16:18

Matrix: Ground Water

Sampled: 12/28/10 12:55

Work Order: A007075

Project: Deland NPL Site - GWS

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	OL31005	EPA 8260B	12/31/10 21:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	91 %	41-142	OL31005	EPA 8260B	12/31/10 21:31	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	OL31005	EPA 8260B	12/31/10 21:31	kat	
Toluene-d8	44	1	50.0	87 %	41-146	OL31005	EPA 8260B	12/31/10 21:31	kat	

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Description: IW-10

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-17

Sampled: 12/28/10 14:22

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 17:14	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	89 %	41-142	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Dibromofluoromethane	38	1	50.0	77 %	53-146	1A04029	EPA 8260B	01/04/11 17:14	kdw	
Toluene-d8	44	1	50.0	89 %	41-146	1A04029	EPA 8260B	01/04/11 17:14	kdw	

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Description: IW-2

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-18

Sampled: 12/28/10 15:15

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	2.6		ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Vinyl chloride [75-01-4] ^	0.60	I	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 17:44	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Dibromofluoromethane	42	1	50.0	84 %	53-146	1A04029	EPA 8260B	01/04/11 17:44	kdw	
Toluene-d8	45	1	50.0	91 %	41-146	1A04029	EPA 8260B	01/04/11 17:44	kdw	

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Description: IW-8

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-19

Sampled: 12/29/10 09:28

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,1-Dichloroethene [75-35-4] ^	0.52	I	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	6.8		ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Vinyl chloride [75-01-4] ^	5.7		ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 18:14	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	87 %	41-142	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Dibromofluoromethane	37	1	50.0	74 %	53-146	1A04029	EPA 8260B	01/04/11 18:14	kdw	
Toluene-d8	44	1	50.0	88 %	41-146	1A04029	EPA 8260B	01/04/11 18:14	kdw	

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Description: MW-206

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-20

Sampled: 12/29/10 10:58

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 18:44	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Dibromofluoromethane	40	1	50.0	79 %	53-146	1A04029	EPA 8260B	01/04/11 18:44	kdw	
Toluene-d8	42	1	50.0	85 %	41-146	1A04029	EPA 8260B	01/04/11 18:44	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: IW-18
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A007075-21
Sampled: 12/29/10 11:35
Sampled By: John Munsch

Received: 12/29/10 16:18
Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 19:14	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	83 %	41-142	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Dibromofluoromethane	39	1	50.0	78 %	53-146	1A04029	EPA 8260B	01/04/11 19:14	kdw	
Toluene-d8	43	1	50.0	86 %	41-146	1A04029	EPA 8260B	01/04/11 19:14	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MW-203

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-22

Sampled: 12/29/10 13:20

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	3.8		ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 19:44	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Dibromofluoromethane	40	1	50.0	80 %	53-146	1A04029	EPA 8260B	01/04/11 19:44	kdw	
Toluene-d8	43	1	50.0	85 %	41-146	1A04029	EPA 8260B	01/04/11 19:44	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-204

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A007075-23

Sampled: 12/29/10 14:30

Sampled By: John Munsch

Received: 12/29/10 16:18

Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC EB3182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 20:14	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	49	1	50.0	98 %	41-142	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Dibromofluoromethane	43	1	50.0	86 %	53-146	1A04029	EPA 8260B	01/04/11 20:14	kdw	
Toluene-d8	46	1	50.0	92 %	41-146	1A04029	EPA 8260B	01/04/11 20:14	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: DUPE 101
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A007075-24
Sampled: 12/29/10 00:00
Sampled By: John Munsch

Received: 12/29/10 16:18
Work Order: A007075

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 20:44	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	87 %	41-142	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Dibromofluoromethane	41	1	50.0	82 %	53-146	1A04029	EPA 8260B	01/04/11 20:44	kdw	
Toluene-d8	43	1	50.0	87 %	41-146	1A04029	EPA 8260B	01/04/11 20:44	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK#4

Lab Sample ID: A007075-25

Received: 12/29/10 16:18

Matrix: Water

Sampled: 12/28/10 00:00

Work Order: A007075

Project: Deland NPL Site - GWs

Sampled By: ENCO ORL

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A04029	EPA 8260B	01/04/11 21:14	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	89 %	41-142	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Dibromofluoromethane	39	1	50.0	78 %	53-146	1A04029	EPA 8260B	01/04/11 21:14	kdw	
Toluene-d8	42	1	50.0	84 %	41-146	1A04029	EPA 8260B	01/04/11 21:14	kdw	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L31005 - EPA 50308_MS

Blank (0L31005-BLK1)

Prepared: 12/31/2010 10:37 Analyzed: 12/31/2010 12:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	47			ug/L	50.0		94	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		74	53-146			
Surrogate: Toluene-d8	43			ug/L	50.0		87	41-146			

LCS (0L31005-BS1)

Prepared: 12/31/2010 10:37 Analyzed: 12/31/2010 12:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0		129	65-144			
Chlorobenzene	20		1.0	ug/L	20.0		101	77-127			
Trichloroethene	22		1.0	ug/L	20.0		110	83-133			
Surrogate: 4-Bromofluorobenzene	41			ug/L	50.0		82	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		74	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike (0L31005-MS1)

Prepared: 12/31/2010 10:37 Analyzed: 12/31/2010 13:01

Source: A007075-01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0131005 - EPA 50308_MS

Matrix Spike (0131005-MS1) Continued

Prepared: 12/31/2010 10:37 Analyzed: 12/31/2010 13:01

Source: A007075-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	125	65-144			
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	109	77-127			
Trichloroethene	22		1.0	ug/L	20.0	0.39 U	112	83-133			
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		89	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		74	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike Dup (0131005-MSD1)

Prepared: 12/31/2010 10:37 Analyzed: 12/31/2010 13:31

Source: A007075-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.50 U	128	65-144	2	16	
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	112	77-127	2	13	
Trichloroethene	21		1.0	ug/L	20.0	0.39 U	106	83-133	5	20	
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		72	53-146			
Surrogate: Toluene-d8	43			ug/L	50.0		85	41-146			

Batch 1A04029 - EPA 50308_MS

Blank (1A04029-BLK1)

Prepared: 01/04/2011 13:00 Analyzed: 01/04/2011 15:44

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A04029 - EPA 5030B_MS

Blank (1A04029-BLK1) Continued

Prepared: 01/04/2011 13:00 Analyzed: 01/04/2011 15:44

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		90	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		73	53-146			
Surrogate: Toluene-d8	43			ug/L	50.0		86	41-146			

LCS (1A04029-BS1)

Prepared: 01/04/2011 13:00 Analyzed: 01/04/2011 15:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0		131	65-144			
Chlorobenzene	22		1.0	ug/L	20.0		108	77-127			
Trichloroethene	21		1.0	ug/L	20.0		106	83-133			
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		74	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike (1A04029-MS1)

Prepared: 01/04/2011 15:41 Analyzed: 01/04/2011 16:14

Source: A007075-17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	125	65-144			
Benzene	22		1.0	ug/L	20.0	0.35 U	108	73-138			
Chlorobenzene	23		1.0	ug/L	20.0	0.37 U	114	77-127			
Toluene	23		1.0	ug/L	20.0	0.43 U	113	71-123			
Trichloroethene	21		1.0	ug/L	20.0	0.39 U	106	83-133			
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Surrogate: Dibromofluoromethane	38			ug/L	50.0		76	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike Dup (1A04029-MSD1)

Prepared: 01/04/2011 15:41 Analyzed: 01/04/2011 16:44

Source: A007075-17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.50 U	118	65-144	6	16	
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	108	77-127	5	13	
Trichloroethene	20		1.0	ug/L	20.0	0.39 U	101	83-133	5	20	
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		90	41-142			
Surrogate: Dibromofluoromethane	38			ug/L	50.0		76	53-146			
Surrogate: Toluene-d8	46			ug/L	50.0		92	41-146			

QUALITY CONTROL

SPLP Volatile Organics by GCMS - Quality Control

Batch 1A04029 - EPA 5030B_MS

Matrix Spike (1A04029-MS1)

Prepared: 01/04/2011 15:41 Analyzed: 01/04/2011 16:14

Source: A007075-17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	125	65-144			
Benzene	22		1.0	ug/L	20.0	0.35 U	108	73-138			
Chlorobenzene	23		1.0	ug/L	20.0	0.37 U	114	77-127			
Toluene	23		1.0	ug/L	20.0	0.43 U	113	71-123			
Trichloroethene	21		1.0	ug/L	20.0	0.39 U	106	83-133			
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Surrogate: Dibromofluoromethane	38			ug/L	50.0		76	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Page: 1 of 2

Client Name: Universal Engineering Sciences (UN001)		Project Number: [none]		Requested Analyses								Requested Turnaround Times Note: Rush requests subject to acceptance by the facility ☒ Standard ☐ Expedited Due <u> </u> / <u> </u> / <u> </u>	
Address: 3532 Maggle Blvd.		Project Name/Desc: Deland NPL Site - GWs											
City/ST/Zip: Orlando, FL 32811		PO # / Billing Info		8260B Halo 8260B Extended (Acetone)								Lab Workorder A006603 12/27/10	
Tel: (407) 423-0504		Fax: (407) 423-2106											
Sampler(s) Name, Affiliation (Print): <i>[Signature]</i>		Reporting Contact: Mike Geden											
Sampler(s) Signature: <i>[Signature]</i>		Billing Contact: Mike Geden											
		Site Location / Time Zone											

Preservation (See Codes) (Combine as necessary)										Sample Comments	
Item#	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	HI	HI			
	MW113	12/27/10	12:32	G	GW	3	X	X			
	MW116		1:18			3	X	X			
	MW112		1:51			3	X	X			
	MW116		2:24			3	X	X			
	MW123		2:58			3	X	X			
	MW124	12/28/10	9:14			3	X	X			
	MW122		9:46			3	X	X			
	MW115		10:19			3	X	X			
	MW119		10:50			3	X	X			
	MW117		11:32			3	X	X			
	MW125		12:08			3	X	X			
	MW120		12:57			3	X	X			
	DUP 002		12:57			3	X	X			
Total # of Containers											

Sample Kit Prepared By: <i>[Signature]</i>	Date/Time: 12/16/10	Requisitioned By: <i>[Signature]</i>	Date/Time: 12/16/10	Received By: <i>[Signature]</i>	Date/Time: 12/27/10 7:00
Comments/Special Reporting Requirements		Requisitioned By: <i>[Signature]</i>	Date/Time: 12/27/10 12:47	Received By: <i>[Signature]</i>	Date/Time: 12/27/10 13:47
		Requisitioned By: <i>[Signature]</i>	Date/Time: 12/27/10 16:18	Received By: <i>[Signature]</i>	Date/Time: 12/27/10 16:18
Cooler #1's & Temps on Receipt: G001 1°C			Condition upon Receipt: ☒ Acceptable ☐ Unacceptable		

Matrix: GW-Groundwater SO-Sol DW-Drinking Water SE-Segment BW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-HCl N-HNO3 S-H2SO4 NO-HNO3 Q-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



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Monday, January 10, 2011

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - GWs

ENCO Workorder: A100047

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, January 5, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "David M. Camacho".

David Camacho For Ronald Wambles

Project Manager

Enclosure(s)



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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SMFA 3		Lab ID: A100047-01		Sampled: 01/04/11 09:45		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/18/11	01/06/11 11:04		1/6/2011 14:56		

Client ID: SMFW		Lab ID: A100047-02		Sampled: 01/04/11 10:00		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/18/11	01/06/11 11:04		1/6/2011 15:29		

Client ID: SMFA 1		Lab ID: A100047-03		Sampled: 01/04/11 11:05		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/18/11	01/06/11 11:04		1/6/2011 16:01		

Client ID: SMFA 2		Lab ID: A100047-04		Sampled: 01/04/11 12:25		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/18/11	01/06/11 11:04		1/6/2011 16:33		

Client ID: MW 205		Lab ID: A100047-05		Sampled: 01/04/11 14:20		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/18/11	01/06/11 11:04		1/6/2011 17:05		

Client ID: EW 2		Lab ID: A100047-06		Sampled: 01/05/11 09:00		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/19/11	01/06/11 11:04		1/6/2011 17:37		

Client ID: EW 2		Lab ID: A100047-06RE1		Sampled: 01/05/11 09:00		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/19/11	01/07/11 10:32		1/7/2011 21:27		

Client ID: MW 202		Lab ID: A100047-07		Sampled: 01/05/11 10:35		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/19/11	01/06/11 11:04		1/6/2011 18:09		

Client ID: MW 202		Lab ID: A100047-07RE1		Sampled: 01/05/11 10:35		Received: 01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8260B	01/19/11	01/07/11 10:32		1/7/2011 20:55		



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Client ID:	DUP 20	Lab ID:	A100047-08	Sampled:	01/05/11 00:00	Received:	01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	01/19/11	01/06/11	11:04	1/6/2011 18:42			

Client ID:	Trip Blank 2	Lab ID:	A100047-09	Sampled:	01/05/11 00:00	Received:	01/05/11 13:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 8260B	01/19/11	01/06/11	11:04	1/6/2011 19:14			

SAMPLE DETECTION SUMMARY

Client ID: SMFW		Lab ID: A100047-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	25		0.41	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	1.3		0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	1.7		0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	40		0.48	1.0	ug/L	EPA 8260B	

Client ID: SMFA 1		Lab ID: A100047-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	5.3		2.1	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	43		0.41	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	0.90	I	0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	0.72	I	0.39	1.0	ug/L	EPA 8260B	
Vinyl chloride	0.77	I	0.48	1.0	ug/L	EPA 8260B	

Client ID: SMFA 2		Lab ID: A100047-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	9.5		0.41	1.0	ug/L	EPA 8260B	
Trichloroethene	2.5		0.39	1.0	ug/L	EPA 8260B	

Client ID: MW 205		Lab ID: A100047-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	3.3	I	2.1	5.0	ug/L	EPA 8260B	

Client ID: EW 2		Lab ID: A100047-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloroform	0.64	I	0.37	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	22		0.41	1.0	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	1.3		0.47	1.0	ug/L	EPA 8260B	
Trichloroethene	110		0.39	1.0	ug/L	EPA 8260B	

Client ID: EW 2		Lab ID: A100047-06RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	640		4.3	10	ug/L	EPA 8260B	

Client ID: MW 202		Lab ID: A100047-07RE1					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	0.91	I	0.41	1.0	ug/L	EPA 8260B	

Client ID: DUP 20		Lab ID: A100047-08					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
cis-1,2-Dichloroethene	1.1		0.41	1.0	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: SMFA 3

Lab Sample ID: A100047-01

Received: 01/05/11 13:30

Matrix: Ground Water

Sampled: 01/04/11 09:45

Work Order: A100047

Project: Deland NPL Site - GWs

Sampled By: Mike Geden

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 14:56	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	44	1	50.0	89 %	41-142	1A06012	EPA 8260B	01/06/11 14:56	kat		
Dibromofluoromethane	41	1	50.0	82 %	53-146	1A06012	EPA 8260B	01/06/11 14:56	kat		
Toluene-d8	44	1	50.0	88 %	41-146	1A06012	EPA 8260B	01/06/11 14:56	kat		

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SMFW
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A100047-02
Sampled: 01/04/11 10:00
Sampled By: Mike Geden

Received: 01/05/11 13:30
Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
cis-1,2-Dichloroethene [156-59-2] ^	25		ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
trans-1,2-Dichloroethene [156-60-5] ^	1.3		ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Trichloroethene [79-01-6] ^	1.7		ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	
Vinyl chloride [75-01-4] ^	40		ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 15:29	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	1A06012	EPA 8260B	01/06/11 15:29	kat	
Dibromofluoromethane	43	1	50.0	86 %	53-146	1A06012	EPA 8260B	01/06/11 15:29	kat	
Toluene-d8	44	1	50.0	88 %	41-146	1A06012	EPA 8260B	01/06/11 15:29	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SMFA 1
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A100047-03
Sampled: 01/04/11 11:05
Sampled By: Mike Geden

Received: 01/05/11 13:30
Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Acetone [67-64-1] ^	5.3		ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	43		ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.90	I	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Trichloroethene [79-01-6] ^	0.72	I	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	
Vinyl chloride [75-01-4] ^	0.77	I	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 16:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	93 %	41-142	1A06012	EPA 8260B	01/06/11 16:01	kat	
Dibromofluoromethane	43	1	50.0	85 %	53-146	1A06012	EPA 8260B	01/06/11 16:01	kat	
Toluene-d8	44	1	50.0	88 %	41-146	1A06012	EPA 8260B	01/06/11 16:01	kat	

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Description: SMFA 2

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A100047-04

Sampled: 01/04/11 12:25

Sampled By: Mike Geden

Received: 01/05/11 13:30

Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
cis-1,2-Dichloroethene [156-59-2] ^	9.5		ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Trichloroethene [79-01-6] ^	2.5		ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 16:33	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	1A06012	EPA 8260B	01/06/11 16:33	kat	
Dibromofluoromethane	43	1	50.0	85 %	53-146	1A06012	EPA 8260B	01/06/11 16:33	kat	
Toluene-d8	43	1	50.0	87 %	41-146	1A06012	EPA 8260B	01/06/11 16:33	kat	

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Description: MW 205

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A100047-05

Sampled: 01/04/11 14:20

Sampled By: Mike Geden

Received: 01/05/11 13:30

Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Acetone [67-64-1] ^	3.3	I	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 17:05	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	48	1	50.0	97 %	41-142	1A06012	EPA 8260B	01/06/11 17:05	kat	
Dibromofluoromethane	46	1	50.0	92 %	53-146	1A06012	EPA 8260B	01/06/11 17:05	kat	
Toluene-d8	46	1	50.0	93 %	41-146	1A06012	EPA 8260B	01/06/11 17:05	kat	

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Description: EW 2

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A100047-06

Sampled: 01/05/11 09:00

Sampled By: Mike Geden

Received: 01/05/11 13:30

Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Chloroform [67-66-3] ^	0.64	I	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
cis-1,2-Dichloroethene [156-59-2] ^	22		ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Tetrachloroethene [127-18-4] ^	640		ug/L	10	4.3	10	1A07006	EPA 8260B	01/07/11 21:27	kat	
trans-1,2-Dichloroethene [156-60-5] ^	1.3		ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Trichloroethene [79-01-6] ^	110		ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 17:37	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	89 %	41-142	1A06012	EPA 8260B	01/06/11 17:37	kat	
4-Bromofluorobenzene	45	1	50.0	90 %	41-142	1A07006	EPA 8260B	01/07/11 21:27	kat	
Dibromofluoromethane	45	1	50.0	89 %	53-146	1A06012	EPA 8260B	01/06/11 17:37	kat	
Dibromofluoromethane	41	1	50.0	83 %	53-146	1A07006	EPA 8260B	01/07/11 21:27	kat	
Toluene-d8	45	1	50.0	90 %	41-146	1A06012	EPA 8260B	01/06/11 17:37	kat	
Toluene-d8	45	1	50.0	90 %	41-146	1A07006	EPA 8260B	01/07/11 21:27	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MW 202

Matrix: Ground Water

Project: Deland NPL Site - GWS

Lab Sample ID: A100047-07

Sampled: 01/05/11 10:35

Sampled By: Mike Geden

Received: 01/05/11 13:30

Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	5.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 18:09	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.91	I	ug/L	1	0.41	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A07006	EPA 8260B	01/07/11 20:55	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	87 %	41-142	1A07006	EPA 8260B	01/07/11 20:55	kat	
Dibromofluoromethane	43	1	50.0	86 %	53-146	1A07006	EPA 8260B	01/07/11 20:55	kat	
Toluene-d8	44	1	50.0	89 %	41-146	1A07006	EPA 8260B	01/07/11 20:55	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: DUP 20
Matrix: Ground Water
Project: Deland NPL Site - GWs

Lab Sample ID: A100047-08
Sampled: 01/05/11 00:00
Sampled By: Mike Geden

Received: 01/05/11 13:30
Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
cis-1,2-Dichloroethene [156-59-2] ^	1.1		ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 18:42	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	46	1	50.0	92 %	41-142	1A06012	EPA 8260B	01/06/11 18:42	kat		
Dibromofluoromethane	44	1	50.0	89 %	53-146	1A06012	EPA 8260B	01/06/11 18:42	kat		
Toluene-d8	45	1	50.0	90 %	41-146	1A06012	EPA 8260B	01/06/11 18:42	kat		

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Trip Blank 2

Matrix: Ground Water

Project: Deland NPL Site - GWs

Lab Sample ID: A100047-09

Sampled: 01/05/11 00:00

Sampled By: Mike Geden

Received: 01/05/11 13:30

Work Order: A100047

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	1A06012	EPA 8260B	01/06/11 19:14	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	1A06012	EPA 8260B	01/06/11 19:14	kat	
Dibromofluoromethane	46	1	50.0	91 %	53-146	1A06012	EPA 8260B	01/06/11 19:14	kat	
Toluene-d8	44	1	50.0	87 %	41-146	1A06012	EPA 8260B	01/06/11 19:14	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A06012 - EPA 5030B_MS

Blank (1A06012-BLK1)

Prepared: 01/06/2011 11:04 Analyzed: 01/06/2011 13:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		90	41-142			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		84	53-146			
Surrogate: Toluene-d8	43			ug/L	50.0		87	41-146			

LCS (1A06012-BS1)

Prepared: 01/06/2011 11:04 Analyzed: 01/06/2011 12:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		103	65-144			
Chlorobenzene	21		1.0	ug/L	20.0		105	77-127			
Trichloroethene	22		1.0	ug/L	20.0		108	83-133			
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		84	53-146			
Surrogate: Toluene-d8	46			ug/L	50.0		92	41-146			

Matrix Spike (1A06012-MS1)

Prepared: 01/06/2011 11:04 Analyzed: 01/06/2011 13:52

Source: A100047-01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A06012 - EPA 5030B_MS

Matrix Spike (1A06012-MS1) Continued

Prepared: 01/06/2011 11:04 Analyzed: 01/06/2011 13:52

Source: A100047-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.50 U	102	65-144			
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	108	77-127			
Trichloroethene	20		1.0	ug/L	20.0	0.39 U	102	83-133			
Surrogate: 4-Bromofluorobenzene	47			ug/L	50.0		95	41-142			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		84	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

Matrix Spike Dup (1A06012-MSD1)

Prepared: 01/06/2011 11:04 Analyzed: 01/06/2011 14:24

Source: A100047-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.50 U	98	65-144	4	16	
Chlorobenzene	20		1.0	ug/L	20.0	0.37 U	98	77-127	10	13	
Trichloroethene	19		1.0	ug/L	20.0	0.39 U	97	83-133	6	20	
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		83	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Batch 1A07006 - EPA 5030B_MS

Blank (1A07006-BLK1)

Prepared: 01/07/2011 10:32 Analyzed: 01/07/2011 11:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A07006 - EPA 5030B_MS

Blank (1A07006-BLK1) Continued

Prepared: 01/07/2011 10:32 Analyzed: 01/07/2011 11:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	43			ug/L	50.0		85	41-146			

LCS (1A07006-BS1)

Prepared: 01/07/2011 10:32 Analyzed: 01/07/2011 11:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	65-144			
Chlorobenzene	22		1.0	ug/L	20.0		108	77-127			
Trichloroethene	21		1.0	ug/L	20.0		107	83-133			
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		92	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	46			ug/L	50.0		92	41-146			

Matrix Spike (1A07006-MS1)

Prepared: 01/07/2011 10:32 Analyzed: 01/07/2011 12:16

Source: A007064-17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.50 U	107	65-144			
Chlorobenzene	21		1.0	ug/L	20.0	0.37 U	107	77-127			
Trichloroethene	21		1.0	ug/L	20.0	0.39 U	106	83-133			
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		90	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike Dup (1A07006-MSD1)

Prepared: 01/07/2011 10:32 Analyzed: 01/07/2011 12:49

Source: A007064-17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.50 U	108	65-144	2	16	
Chlorobenzene	21		1.0	ug/L	20.0	0.37 U	106	77-127	2	13	
Trichloroethene	22		1.0	ug/L	20.0	0.39 U	108	83-133	2	20	
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		89	41-146			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.



(919) 467-3020 Fax (919) 467-3515

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Lab Workorder
A006603

Category	Count
1. Total # of Containers	10
2. Total # of Containers	10
3. Total # of Containers	10
4. Total # of Containers	10
5. Total # of Containers	10
6. Total # of Containers	10
7. Total # of Containers	10
8. Total # of Containers	10
9. Total # of Containers	10
10. Total # of Containers	10

Cooler #s & Temps on Receipt
C-4128

Preservation: F-Ice H-HCl N-HNO3 S-H2SO4 RD-NaOH Q-Other (data in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

APPENDIX C

Laboratory Analytical Reports

Surface Water & Sediment Samples

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



www.encolabs.com

Thursday, December 30, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - Sediments (Lake Miller)

ENCO Workorder: A006606

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 22, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Marcia Colon". The signature is fluid and cursive.

Marcia Colon For Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	Sed 4	Lab ID: A006606-01	Sampled: 12/21/10 11:36	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:32	
EPA 8260B	01/04/11	12/23/10 13:38	12/23/2010 18:59	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 5	Lab ID: A006606-02	Sampled: 12/21/10 11:54	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:39	
EPA 8260B	01/04/11	12/23/10 13:38	12/23/2010 19:31	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 6	Lab ID: A006606-03	Sampled: 12/21/10 12:22	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:41	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 15:08	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 7	Lab ID: A006606-04	Sampled: 12/21/10 12:47	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:44	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 15:39	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 8	Lab ID: A006606-05	Sampled: 12/21/10 13:08	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:45	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 16:12	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 1	Lab ID: A006606-06	Sampled: 12/21/10 13:23	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:48	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 16:44	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	



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Client ID:	Sed 2	Lab ID: A006606-07	Sampled: 12/21/10 13:42	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:51	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 17:15	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 3	Lab ID: A006606-08	Sampled: 12/21/10 14:09	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:53	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 17:47	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Dup	Lab ID: A006606-09	Sampled: 12/21/10 14:30	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/19/11	12/23/10 09:42	12/27/2010 12:56	
EPA 8260B	01/04/11	12/27/10 11:01	12/27/2010 18:19	
Walkley Black Method	01/20/11	12/23/10 12:12	12/23/2010 14:10	

SAMPLE DETECTION SUMMARY

Client ID: Sed 4 **Lab ID:** A006606-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.080		0.0015	0.0086	mg/kg dry	EPA 8260B	
Chromium - Total	0.505	I	0.0716	0.716	mg/kg dry	EPA 6010C	
Total Organic Carbon	22000		720	720	mg/kg dry	Walkley Black Method	

Client ID: Sed 5 **Lab ID:** A006606-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.077		0.0020	0.012	mg/kg dry	EPA 8260B	
Chromium - Total	1.89		0.166	1.66	mg/kg dry	EPA 6010C	
cis-1,2-Dichloroethene	0.0009	I	0.0006	0.0024	mg/kg dry	EPA 8260B	
Total Organic Carbon	130000		1800	1800	mg/kg dry	Walkley Black Method	
Vinyl chloride	0.0010	I	0.0005	0.0024	mg/kg dry	EPA 8260B	

Client ID: Sed 6 **Lab ID:** A006606-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.056		0.0016	0.0093	mg/kg dry	EPA 8260B	
Chromium - Total	0.799	I	0.0964	0.964	mg/kg dry	EPA 6010C	
cis-1,2-Dichloroethene	0.0006	I	0.0005	0.0019	mg/kg dry	EPA 8260B	
Total Organic Carbon	46000		1100	1100	mg/kg dry	Walkley Black Method	

Client ID: Sed 7 **Lab ID:** A006606-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	0.0010	I	0.0005	0.0023	mg/kg dry	EPA 8260B	
Chromium - Total	4.59		0.100	1.00	mg/kg dry	EPA 6010C	
cis-1,2-Dichloroethene	0.0016	I	0.0006	0.0023	mg/kg dry	EPA 8260B	
Dichlorodifluoromethane	0.0034		0.0011	0.0023	mg/kg dry	EPA 8260B	
Total Organic Carbon	140000		1100	1100	mg/kg dry	Walkley Black Method	
Vinyl chloride	0.0061		0.0005	0.0023	mg/kg dry	EPA 8260B	

Client ID: Sed 8 **Lab ID:** A006606-05

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.012		0.0010	0.0057	mg/kg dry	EPA 8260B	
Chromium - Total	1.07		0.0669	0.669	mg/kg dry	EPA 6010C	
Total Organic Carbon	7800		670	670	mg/kg dry	Walkley Black Method	

Client ID: Sed 1 **Lab ID:** A006606-06

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.023		0.0012	0.0068	mg/kg dry	EPA 8260B	
Chromium - Total	0.195	I	0.0682	0.682	mg/kg dry	EPA 6010C	
Total Organic Carbon	8500		680	680	mg/kg dry	Walkley Black Method	

Client ID: Sed 2 **Lab ID:** A006606-07

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2-Dichloroethane	0.0003	I	0.0003	0.0014	mg/kg dry	EPA 8260B	
Acetone	0.019		0.0012	0.0072	mg/kg dry	EPA 8260B	
Chromium - Total	2.12		0.0624	0.624	mg/kg dry	EPA 6010C	
Total Organic Carbon	13000		720	720	mg/kg dry	Walkley Black Method	



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Client ID:	Sed 3	Lab ID:	A006606-08
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0095		0.0008	0.0045	mg/kg dry	EPA 8260B	
Chromium - Total	1.51		0.0621	0.621	mg/kg dry	EPA 6010C	
Total Organic Carbon	13000		690	690	mg/kg dry	Walkley Black Method	

Client ID:	Dup	Lab ID:	A006606-09
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Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.015		0.0013	0.0075	mg/kg dry	EPA 8260B	
Chromium - Total	1.10		0.0879	0.879	mg/kg dry	EPA 6010C	
Total Organic Carbon	22000		880	880	mg/kg dry	Walkley Black Method	

ANALYTICAL RESULTS

Description: Sed 4

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-01

Sampled: 12/21/10 11:36

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 69.79

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,1-Dichloroethane [75-34-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,1-Dichloroethene [75-35-4] ^	0.0008	U	mg/kg dry	1	0.0008	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,2-Dichloroethane [107-06-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,2-Dichloropropane [78-87-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0004	U	mg/kg dry	1	0.0004	0.0086	0L23025	EPA 8260B	12/23/10 18:59	kat	
Acetone [67-64-1] ^	0.080		mg/kg dry	1	0.0015	0.0086	0L23025	EPA 8260B	12/23/10 18:59	kat	
Bromodichloromethane [75-27-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Bromoform [75-25-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Bromomethane [74-83-9] ^	0.0009	U	mg/kg dry	1	0.0009	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Carbon Tetrachloride [56-23-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Chlorobenzene [108-90-7] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Chloroethane [75-00-3] ^	0.0011	U	mg/kg dry	1	0.0011	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Chloroform [67-66-3] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Chloromethane [74-87-3] ^	0.0010	U	mg/kg dry	1	0.0010	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0009	U	mg/kg dry	1	0.0009	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Methylene Chloride [75-09-2] ^	0.0007	U	mg/kg dry	1	0.0007	0.0086	0L23025	EPA 8260B	12/23/10 18:59	kat	
Tetrachloroethene [127-18-4] ^	0.0008	U	mg/kg dry	1	0.0008	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Trichloroethene [79-01-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Trichlorofluoromethane [75-69-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	
Vinyl chloride [75-01-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0017	0L23025	EPA 8260B	12/23/10 18:59	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	71-126	0L23025	EPA 8260B	12/23/10 18:59	kat	
Dibromofluoromethane	46	1	50.0	92 %	72-133	0L23025	EPA 8260B	12/23/10 18:59	kat	
Toluene-d8	41	1	50.0	82 %	80-123	0L23025	EPA 8260B	12/23/10 18:59	kat	



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Description: Sed 4

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-01

Sampled: 12/21/10 11:36

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 69.79

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	22000		mg/kg dry	1	720	720	OL23023	Walkley Black Method	12/23/10 14:10	NP	



Description: Sed 4
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-01
Sampled: 12/21/10 11:36
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006606
% Solids: 69.79

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC EB2277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.505	1	mg/kg dry	1	0.0716	0.716	0L23006	EPA 6010C	12/27/10 12:32	ACV	

Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-02

Sampled: 12/21/10 11:54

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 27.13

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,1-Dichloroethane [75-34-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,1-Dichloroethene [75-35-4] ^	0.0010	U	mg/kg dry	1	0.0010	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,2-Dichloroethane [107-06-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,2-Dichloropropane [78-87-5] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0007	U	mg/kg dry	1	0.0007	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.012	0L23025	EPA 8260B	12/23/10 19:31	kat	
Acetone [67-64-1] ^	0.077		mg/kg dry	1	0.0020	0.012	0L23025	EPA 8260B	12/23/10 19:31	kat	
Bromodichloromethane [75-27-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Bromoform [75-25-2] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Bromomethane [74-83-9] ^	0.0012	U	mg/kg dry	1	0.0012	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Carbon Tetrachloride [56-23-5] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Chlorobenzene [108-90-7] ^	0.0007	U	mg/kg dry	1	0.0007	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Chloroethane [75-00-3] ^	0.0015	U	mg/kg dry	1	0.0015	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Chloroform [67-66-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Chloromethane [74-87-3] ^	0.0014	U	mg/kg dry	1	0.0014	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0009	I	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Dibromochloromethane [124-48-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0012	U	mg/kg dry	1	0.0012	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Methylene Chloride [75-09-2] ^	0.0009	U	mg/kg dry	1	0.0009	0.012	0L23025	EPA 8260B	12/23/10 19:31	kat	
Tetrachloroethene [127-18-4] ^	0.0012	U	mg/kg dry	1	0.0012	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Trichloroethene [79-01-6] ^	0.0007	U	mg/kg dry	1	0.0007	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Trichlorofluoromethane [75-69-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	
Vinyl chloride [75-01-4] ^	0.0010	I	mg/kg dry	1	0.0005	0.0024	0L23025	EPA 8260B	12/23/10 19:31	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	71-126	0L23025	EPA 8260B	12/23/10 19:31	kat	
Dibromofluoromethane	45	1	50.0	90 %	72-133	0L23025	EPA 8260B	12/23/10 19:31	kat	
Toluene-d8	40	1	50.0	79 %	80-123	0L23025	EPA 8260B	12/23/10 19:31	kat	QA-03



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Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-02

Sampled: 12/21/10 11:54

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 27.13

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	130000		mg/kg dry	1	1800	1800	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-02

Sampled: 12/21/10 11:54

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 27.13

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.89		mg/kg dry	1	0.166	1.66	0L23006	EPA 6010C	12/27/10 12:39	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: Sed 6

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-03

Sampled: 12/21/10 12:22

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 45.47

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,1-Dichloroethane [75-34-3] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,1-Dichloroethene [75-35-4] ^	0.0008	U	mg/kg dry	1	0.0008	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,2-Dichloroethane [107-06-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,2-Dichloropropane [78-87-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0004	U	mg/kg dry	1	0.0004	0.0093	0L27005	EPA 8260B	12/27/10 15:08	kat	
Acetone [67-64-1] ^	0.056		mg/kg dry	1	0.0016	0.0093	0L27005	EPA 8260B	12/27/10 15:08	kat	
Bromodichloromethane [75-27-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Bromoform [75-25-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Bromomethane [74-83-9] ^	0.0009	U	mg/kg dry	1	0.0009	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Carbon Tetrachloride [56-23-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Chlorobenzene [108-90-7] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Chloroethane [75-00-3] ^	0.0011	U	mg/kg dry	1	0.0011	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Chloroform [67-66-3] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Chloromethane [74-87-3] ^	0.0011	U	mg/kg dry	1	0.0011	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0006	I	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Dibromochloromethane [124-48-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0009	U	mg/kg dry	1	0.0009	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Methylene Chloride [75-09-2] ^	0.0007	U	mg/kg dry	1	0.0007	0.0093	0L27005	EPA 8260B	12/27/10 15:08	kat	
Tetrachloroethene [127-18-4] ^	0.0009	U	mg/kg dry	1	0.0009	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Trichloroethene [79-01-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Trichlorofluoromethane [75-69-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	
Vinyl chloride [75-01-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0019	0L27005	EPA 8260B	12/27/10 15:08	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	77 %	71-126	0L27005	EPA 8260B	12/27/10 15:08	kat	
Dibromofluoromethane	44	1	50.0	88 %	72-133	0L27005	EPA 8260B	12/27/10 15:08	kat	
Toluene-d8	43	1	50.0	86 %	80-123	0L27005	EPA 8260B	12/27/10 15:08	kat	



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Description: Sed 6

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-03

Sampled: 12/21/10 12:22

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 45.47

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	46000		mg/kg dry	1	1100	1100	OL23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 6

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-03

Sampled: 12/21/10 12:22

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 45.47

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.799	I	mg/kg dry	1	0.0964	0.964	0L23006	EPA 6010C	12/27/10 12:41	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 7

Lab Sample ID: A006606-04

Received: 12/22/10 09:45

Matrix: Sediment

Sampled: 12/21/10 12:47

Work Order: A006606

Project: Deland NPL Site - Sediments (Lake Miller)

Sampled By: John Munsch

% Solids: 43.96

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,1-Dichloroethane [75-34-3] ^	0.0010	I	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,1-Dichloroethene [75-35-4] ^	0.0010	U	mg/kg dry	1	0.0010	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,2-Dichloroethane [107-06-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,2-Dichloropropane [78-87-5] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.011	0L27005	EPA 8260B	12/27/10 15:39	kat	
Acetone [67-64-1] ^	0.0019	U	mg/kg dry	1	0.0019	0.011	0L27005	EPA 8260B	12/27/10 15:39	kat	
Bromodichloromethane [75-27-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Bromoform [75-25-2] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Bromomethane [74-83-9] ^	0.0011	U	mg/kg dry	1	0.0011	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Carbon Tetrachloride [56-23-5] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Chlorobenzene [108-90-7] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Chloroethane [75-00-3] ^	0.0014	U	mg/kg dry	1	0.0014	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Chloroform [67-66-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Chloromethane [74-87-3] ^	0.0013	U	mg/kg dry	1	0.0013	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0016	I	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Dibromochloromethane [124-48-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0034		mg/kg dry	1	0.0011	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Methylene Chloride [75-09-2] ^	0.0009	U	mg/kg dry	1	0.0009	0.011	0L27005	EPA 8260B	12/27/10 15:39	kat	
Tetrachloroethene [127-18-4] ^	0.0011	U	mg/kg dry	1	0.0011	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0006	U	mg/kg dry	1	0.0006	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Trichloroethene [79-01-6] ^	0.0007	U	mg/kg dry	1	0.0007	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Trichlorofluoromethane [75-69-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	
Vinyl chloride [75-01-4] ^	0.0061		mg/kg dry	1	0.0005	0.0023	0L27005	EPA 8260B	12/27/10 15:39	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	35	1	50.0	70 %	71-126	0L27005	EPA 8260B	12/27/10 15:39	kat	QA-03
Dibromofluoromethane	43	1	50.0	85 %	72-133	0L27005	EPA 8260B	12/27/10 15:39	kat	
Toluene-d8	42	1	50.0	84 %	80-123	0L27005	EPA 8260B	12/27/10 15:39	kat	



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Description: Sed 7

Lab Sample ID: A006606-04

Received: 12/22/10 09:45

Matrix: Sediment

Sampled: 12/21/10 12:47

Work Order: A006606

Project: Deland NPL Site - Sediments (Lake
Miller)

Sampled By: John Munsch

% Solids: 43.96

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	140000		mg/kg dry	1	1100	1100	0L23023	Walkley Black Method	12/23/10 14:10	NP	



Description: Sed 7
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-04
Sampled: 12/21/10 12:47
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006606
% Solids: 43.96

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	4.59		mg/kg dry	1	0.100	1.00	0L23006	EPA 6010C	12/27/10 12:44	ACV	



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Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-05

Sampled: 12/21/10 13:08

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 74.70

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,1-Dichloroethene [75-35-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0057	0L27005	EPA 8260B	12/27/10 16:12	kat	
Acetone [67-64-1] ^	0.012		mg/kg dry	1	0.0010	0.0057	0L27005	EPA 8260B	12/27/10 16:12	kat	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Bromomethane [74-83-9] ^	0.0006	U	mg/kg dry	1	0.0006	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Chloroethane [75-00-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Chloromethane [74-87-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0006	U	mg/kg dry	1	0.0006	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Methylene Chloride [75-09-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0057	0L27005	EPA 8260B	12/27/10 16:12	kat	
Tetrachloroethene [127-18-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L27005	EPA 8260B	12/27/10 16:12	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	83 %	71-126	0L27005	EPA 8260B	12/27/10 16:12	kat	
Dibromofluoromethane	43	1	50.0	86 %	72-133	0L27005	EPA 8260B	12/27/10 16:12	kat	
Toluene-d8	40	1	50.0	80 %	80-123	0L27005	EPA 8260B	12/27/10 16:12	kat	



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Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-05

Sampled: 12/21/10 13:08

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 74.70

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	7800		mg/kg dry	1	670	670	0L23023	Halkley Black Methox	12/23/10 14:10	NP	



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Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-05

Sampled: 12/21/10 13:08

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 74.70

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.07		mg/kg dry	1	0.0669	0.669	0L23006	EPA 6010C	12/27/10 12:45	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-06

Sampled: 12/21/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 73.33

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,1-Dichloroethane [75-34-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,1-Dichloroethene [75-35-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,2-Dichloropropane [78-87-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0068	0L27005	EPA 8260B	12/27/10 16:44	kat	
Acetone [67-64-1] ^	0.023		mg/kg dry	1	0.0012	0.0068	0L27005	EPA 8260B	12/27/10 16:44	kat	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Bromoform [75-25-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Bromomethane [74-83-9] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Chlorobenzene [108-90-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Chloroethane [75-00-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Chloromethane [74-87-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Methylene Chloride [75-09-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0068	0L27005	EPA 8260B	12/27/10 16:44	kat	
Tetrachloroethene [127-18-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 16:44	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	71-126	0L27005	EPA 8260B	12/27/10 16:44	kat	
Dibromofluoromethane	43	1	50.0	87 %	72-133	0L27005	EPA 8260B	12/27/10 16:44	kat	
Toluene-d8	41	1	50.0	82 %	80-123	0L27005	EPA 8260B	12/27/10 16:44	kat	



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Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-06

Sampled: 12/21/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 73.33

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	8500		mg/kg dry	1	680	680	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-06

Sampled: 12/21/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 73.33

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.195	I	mg/kg dry	1	0.0682	0.682	0L23006	EPA 6010C	12/27/10 12:48	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 2

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-07

Sampled: 12/21/10 13:42

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 69.52

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,1-Dichloroethane [75-34-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,1-Dichloroethene [75-35-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,2-Dichloroethane [107-06-2] ^	0.0003	I	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,2-Dichloropropane [78-87-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0072	0L27005	EPA 8260B	12/27/10 17:15	kat	
Acetone [67-64-1] ^	0.019		mg/kg dry	1	0.0012	0.0072	0L27005	EPA 8260B	12/27/10 17:15	kat	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Bromoform [75-25-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Bromomethane [74-83-9] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Carbon Tetrachloride [56-23-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Chlorobenzene [108-90-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Chloroethane [75-00-3] ^	0.0009	U	mg/kg dry	1	0.0009	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Chloromethane [74-87-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Methylene Chloride [75-09-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0072	0L27005	EPA 8260B	12/27/10 17:15	kat	
Tetrachloroethene [127-18-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L27005	EPA 8260B	12/27/10 17:15	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L27005	EPA 8260B	12/27/10 17:15	kat	
Dibromofluoromethane	45	1	50.0	90 %	72-133	0L27005	EPA 8260B	12/27/10 17:15	kat	
Toluene-d8	41	1	50.0	81 %	80-123	0L27005	EPA 8260B	12/27/10 17:15	kat	



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Description: Sed 2

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-07

Sampled: 12/21/10 13:42

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 69.52

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	13000		mg/kg dry	1	720	720	0L23023	Walkley Black Methox	12/23/10 14:10	NP	



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Description: Sed 2

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-07

Sampled: 12/21/10 13:42

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 69.52

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	2.12		mg/kg dry	1	0.0624	0.624	0L23006	EPA 6010C	12/27/10 12:51	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: Sed 3

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-08

Sampled: 12/21/10 14:09

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 72.30

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,1-Dichloroethene [75-35-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0002	U	mg/kg dry	1	0.0002	0.0045	0L27005	EPA 8260B	12/27/10 17:47	kat	
Acetone [67-64-1] ^	0.0095		mg/kg dry	1	0.0008	0.0045	0L27005	EPA 8260B	12/27/10 17:47	kat	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Bromoform [75-25-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Bromomethane [74-83-9] ^	0.0005	U	mg/kg dry	1	0.0005	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Carbon Tetrachloride [56-23-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Chloroethane [75-00-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Chloroform [67-66-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Chloromethane [74-87-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Methylene Chloride [75-09-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0045	0L27005	EPA 8260B	12/27/10 17:47	kat	
Tetrachloroethene [127-18-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L27005	EPA 8260B	12/27/10 17:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	92 %	71-126	0L27005	EPA 8260B	12/27/10 17:47	kat	
Dibromofluoromethane	46	1	50.0	92 %	72-133	0L27005	EPA 8260B	12/27/10 17:47	kat	
Toluene-d8	44	1	50.0	87 %	80-123	0L27005	EPA 8260B	12/27/10 17:47	kat	



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Description: Sed 3

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-08

Sampled: 12/21/10 14:09

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 72.30

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	13000		mg/kg dry	1	690	690	OL23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 3
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-08
Sampled: 12/21/10 14:09
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006606
% Solids: 72.30

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chromium [7440-47-3] ^	1.51		mg/kg dry	1	0.0621	0.621	0L23006	EPA 6010C	12/27/10 12:53	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Dup
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake Miller)

Lab Sample ID: A006606-09
Sampled: 12/21/10 14:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006606
% Solids: 56.87

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,1-Dichloroethane [75-34-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,1-Dichloroethene [75-35-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,2-Dichloropropane [78-87-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0075	0L27005	EPA 8260B	12/27/10 18:19	kat	
Acetone [67-64-1] ^	0.015		mg/kg dry	1	0.0013	0.0075	0L27005	EPA 8260B	12/27/10 18:19	kat	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Bromoform [75-25-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Bromomethane [74-83-9] ^	0.0008	U	mg/kg dry	1	0.0008	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Carbon Tetrachloride [56-23-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Chlorobenzene [108-90-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Chloroethane [75-00-3] ^	0.0009	U	mg/kg dry	1	0.0009	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Chloromethane [74-87-3] ^	0.0009	U	mg/kg dry	1	0.0009	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Dichlorodifluoromethane [75-71-8] ^	0.0008	U	mg/kg dry	1	0.0008	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Methylene Chloride [75-09-2] ^	0.0006	U	mg/kg dry	1	0.0006	0.0075	0L27005	EPA 8260B	12/27/10 18:19	kat	
Tetrachloroethene [127-18-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Trichlorofluoromethane [75-69-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0015	0L27005	EPA 8260B	12/27/10 18:19	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L27005	EPA 8260B	12/27/10 18:19	kat		
Dibromofluoromethane	45	1	50.0	91 %	72-133	0L27005	EPA 8260B	12/27/10 18:19	kat		
Toluene-d8	41	1	50.0	82 %	80-123	0L27005	EPA 8260B	12/27/10 18:19	kat		



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Description: Dup

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-09

Sampled: 12/21/10 14:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 56.87

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	22000		mg/kg dry	1	880	880	OL23023	Walkley Black Method	12/23/10 14:10	NP	



www.encolabs.com

Description: Dup

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Miller)

Lab Sample ID: A006606-09

Sampled: 12/21/10 14:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006606

% Solids: 56.87

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chromium [7440-47-3] ^	1.10		mg/kg dry	1	0.0879	0.879	0L23006	EPA 6010C	12/27/10 12:56	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0L23006 - EPA 3050B

Blank (0L23006-BLK1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	0.0500	U	0.500	mg/kg wet							

LCS (0L23006-BS1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	25.6		0.500	mg/kg wet	26.3		97	85-115			

Matrix Spike (0L23006-MS1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:27

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	30.5		0.618	mg/kg dry	30.9	0.505	97	80-120			

Matrix Spike Dup (0L23006-MSD1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:29

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	30.4		0.605	mg/kg dry	30.3	0.505	99	80-120	0.4	30	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23025 - EPA 5030B_MS

Blank (0L23025-BLK1)

Prepared: 12/23/2010 13:38 Analyzed: 12/23/2010 17:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0003	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0002	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0003	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0003	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.0002	U	0.0050	mg/kg wet							
Acetone	0.0008	U	0.0050	mg/kg wet							
Bromodichloromethane	0.0002	U	0.0010	mg/kg wet							
Bromoform	0.0003	U	0.0010	mg/kg wet							
Bromomethane	0.0005	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0002	U	0.0010	mg/kg wet							
Chlorobenzene	0.0003	U	0.0010	mg/kg wet							
Chloroethane	0.0006	U	0.0010	mg/kg wet							
Chloroform	0.0002	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0003	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23025 - EPA 5030B_MS

Blank (0L23025-BLK1) Continued

Prepared: 12/23/2010 13:38 Analyzed: 12/23/2010 17:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,3-Dichloropropene	0.0002	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0002	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	0.0004	U	0.0050	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0002	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0003	U	0.0010	mg/kg wet							
Trichloroethene	0.0003	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0002	U	0.0010	mg/kg wet							
Vinyl chloride	0.0002	U	0.0010	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	54			ug/L	50.0		107	71-126			
Surrogate: Dibromofluoromethane	51			ug/L	50.0		101	72-133			
Surrogate: Toluene-d8	47			ug/L	50.0		95	80-123			

LCS (0L23025-BS1)

Prepared: 12/23/2010 13:38 Analyzed: 12/23/2010 16:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		99	61-124			
Chlorobenzene	17		1.0	ug/L	20.0		86	69-121			
Trichloroethene	19		1.0	ug/L	20.0		96	71-122			
Surrogate: 4-Bromofluorobenzene	49			ug/L	50.0		99	71-126			
Surrogate: Dibromofluoromethane	50			ug/L	50.0		99	72-133			
Surrogate: Toluene-d8	45			ug/L	50.0		91	80-123			

Matrix Spike (0L23025-MS1)

Prepared: 12/23/2010 13:38 Analyzed: 12/23/2010 17:54

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.44 U	96	61-124			
Chlorobenzene	10		1.0	ug/L	20.0	0.28 U	51	69-121			QM-07
Trichloroethene	15		1.0	ug/L	20.0	0.29 U	77	71-122			
Surrogate: 4-Bromofluorobenzene	38			ug/L	50.0		75	71-126			
Surrogate: Dibromofluoromethane	47			ug/L	50.0		95	72-133			
Surrogate: Toluene-d8	42			ug/L	50.0		84	80-123			

Matrix Spike Dup (0L23025-MSD1)

Prepared: 12/23/2010 13:38 Analyzed: 12/23/2010 18:27

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.44 U	102	61-124	6	23	
Chlorobenzene	9.6		1.0	ug/L	20.0	0.28 U	48	69-121	5	18	QM-07
Trichloroethene	16		1.0	ug/L	20.0	0.29 U	78	71-122	0.6	26	
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		84	71-126			
Surrogate: Dibromofluoromethane	48			ug/L	50.0		96	72-133			
Surrogate: Toluene-d8	43			ug/L	50.0		87	80-123			



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QUALITY CONTROL**Volatile Organic Compounds by GCMS - Quality Control**

Batch 0L27005 - EPA 5030B_MS

Blank (0L27005-BLK1)

Prepared: 12/27/2010 11:01 Analyzed: 12/27/2010 13:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0003	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0002	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0003	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0003	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.0002	U	0.0050	mg/kg wet							
Acetone	0.0008	U	0.0050	mg/kg wet							
Bromodichloromethane	0.0002	U	0.0010	mg/kg wet							
Bromoform	0.0003	U	0.0010	mg/kg wet							
Bromomethane	0.0005	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0002	U	0.0010	mg/kg wet							
Chlorobenzene	0.0003	U	0.0010	mg/kg wet							
Chloroethane	0.0006	U	0.0010	mg/kg wet							
Chloroform	0.0002	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0003	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0002	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0002	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	0.0004	U	0.0050	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0002	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0003	U	0.0010	mg/kg wet							
Trichloroethene	0.0003	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0002	U	0.0010	mg/kg wet							
Vinyl chloride	0.0002	U	0.0010	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	51			ug/L	50.0		102	71-126			
Surrogate: Dibromofluoromethane	46			ug/L	50.0		92	72-133			
Surrogate: Toluene-d8	46			ug/L	50.0		92	80-123			

LCS (0L27005-BS1)

Prepared: 12/27/2010 11:01 Analyzed: 12/27/2010 13:01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		91	61-124			
Chlorobenzene	18		1.0	ug/L	20.0		88	69-121			
Trichloroethene	18		1.0	ug/L	20.0		90	71-122			
Surrogate: 4-Bromofluorobenzene	50			ug/L	50.0		100	71-126			
Surrogate: Dibromofluoromethane	47			ug/L	50.0		94	72-133			
Surrogate: Toluene-d8	45			ug/L	50.0		90	80-123			

Matrix Spike (0L27005-M51)

Prepared: 12/27/2010 11:01 Analyzed: 12/27/2010 14:04

Source: A006606-03

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L27005 - EPA 5030B_MS

Matrix Spike (0L27005-MS1) Continued

Prepared: 12/27/2010 11:01 Analyzed: 12/27/2010 14:04

Source: A006606-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.44 U	88	61-124			
Chlorobenzene	11		1.0	ug/L	20.0	0.28 U	54	69-121			QM-07
Trichloroethene	15		1.0	ug/L	20.0	0.29 U	74	71-122			
Surrogate: 4-Bromofluorobenzene	36			ug/L	50.0		71	71-126			
Surrogate: Dibromofluoromethane	39			ug/L	50.0		78	72-133			
Surrogate: Toluene-d8	38			ug/L	50.0		75	80-123			QA-03

Matrix Spike Dup (0L27005-MSD1)

Prepared: 12/27/2010 11:01 Analyzed: 12/27/2010 14:36

Source: A006606-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.44 U	89	61-124	1	23	
Chlorobenzene	11		1.0	ug/L	20.0	0.28 U	55	69-121	3	18	QM-07
Trichloroethene	16		1.0	ug/L	20.0	0.29 U	80	71-122	8	26	
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		80	71-126			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		85	72-133			
Surrogate: Toluene-d8	42			ug/L	50.0		83	80-123			

Classical Chemistry Parameters - Quality Control

Batch 0L23023 - NO PREP

Blank (0L23023-BLK1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	500	U	500	mg/kg wet							

LCS (0L23023-BS1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	8400		500	mg/kg wet	9990		83.9	50-150			

Matrix Spike (0L23023-MS1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	36000		720	mg/kg dry	13800	22000	106	50-150			

Matrix Spike Dup (0L23023-MSD1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	34000		720	mg/kg dry	13300	22000	92.3	50-150	6.68	25	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QA-03	Surrogate recovery outside acceptance limits
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Environmental Conservation Laboratories, Inc.

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Thursday, December 30, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - SWs (Lake Miller)

ENCO Workorder: A006605

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 22, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, reading "Marcia Colon". The signature is written in a cursive, flowing style.

Marcia Colon For Ronald Wambles

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 51.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SW4		Lab ID: A006605-01		Sampled: 12/21/10 11:36		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:24			
EPA 6010C	06/19/11	12/23/10	14:59	12/27/2010 11:49			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:06			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 07:46			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/28/10	10:12	12/29/2010 10:40			

Client ID: SW5		Lab ID: A006605-02		Sampled: 12/21/10 11:54		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:28			
EPA 6010C	06/19/11	12/23/10	14:59	12/27/2010 11:51			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:09			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 08:18			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW6		Lab ID: A006605-03		Sampled: 12/21/10 12:22		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:29			
EPA 6010C	06/19/11	12/23/10	14:59	12/27/2010 11:54			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:12			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 08:50			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW7		Lab ID: A006605-04		Sampled: 12/21/10 12:47		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:30			
EPA 6010C	06/19/11	12/23/10	14:59	12/27/2010 11:57			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:14			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 09:21			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW8		Lab ID: A006605-05		Sampled: 12/21/10 13:08		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:31			
EPA 6010C	06/19/11	12/23/10	15:07	12/27/2010 14:08			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:17			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 09:53			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW1		Lab ID: A006605-06		Sampled: 12/21/10 13:23		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:34			
EPA 6010C	06/19/11	12/23/10	15:07	12/27/2010 14:11			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:20			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 10:25			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW2		Lab ID: A006605-07		Sampled: 12/21/10 13:42		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:35			
EPA 6010C	06/19/11	12/23/10	15:07	12/27/2010 14:13			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 10:22			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 10:57			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW3		Lab ID: A006605-08		Sampled: 12/21/10 14:09		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/04/11	12/30/10	08:14	12/30/2010 09:36			
EPA 6010C	06/19/11	12/23/10	15:07	12/27/2010 14:16			
EPA 6010C	06/19/11	12/27/10	12:45	12/29/2010 11:46			
EPA 8260B	01/04/11	12/23/10	12:00	12/24/2010 11:29			
SM18 2340 C	06/19/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/28/10	12/23/10	06:55	12/26/2010 10:39			
SM18 2540D	12/28/10	12/23/10	11:58	12/24/2010 12:20			



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Client ID: Dup Lab ID: A006605-09 Sampled: 12/21/10 14:30 Received: 12/22/10 09:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	01/04/11	12/30/10 08:14	12/30/2010 09:37
EPA 6010C	06/19/11	12/23/10 15:07	12/27/2010 14:19
EPA 6010C	06/19/11	12/27/10 12:45	12/29/2010 11:49
EPA 8260B	01/04/11	12/23/10 12:00	12/24/2010 12:01
SM18 2340 C	06/19/11	12/23/10 10:33	12/23/2010 17:34
SM18 2540C	12/28/10	12/23/10 06:55	12/26/2010 10:39
SM18 2540D	12/28/10	12/23/10 11:58	12/24/2010 12:20

Client ID: TRIP.BLANK Lab ID: A006605-10 Sampled: 12/21/10 00:00 Received: 12/22/10 09:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	01/04/11	12/23/10 12:00	12/24/2010 12:33

SAMPLE DETECTION SUMMARY

Client ID: SW4		Lab ID: A006605-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.42	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	29		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	21		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	4.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW5		Lab ID: A006605-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.69	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	25		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	25		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	150		10	10	mg/L	SM18 2540C	
Total Suspended Solids	3.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW6		Lab ID: A006605-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Total	1.53	I	1.30	10.0	ug/L	EPA 6010C	
Chromium - Dissolved	1.52	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	28		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	27		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	140		10	10	mg/L	SM18 2540C	
Total Suspended Solids	9.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW7		Lab ID: A006605-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.35	I	1.30	10.0	ug/L	EPA 6010C	
Chromium - Total	1.32	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	28		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	140		10	10	mg/L	SM18 2540C	
Total Suspended Solids	28		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW8		Lab ID: A006605-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.46	I	1.30	10.0	ug/L	EPA 6010C	
Chromium - Total	1.37	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	24		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	140		10	10	mg/L	SM18 2540C	
Total Suspended Solids	7.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW1		Lab ID: A006605-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Total	1.36	I	1.30	10.0	ug/L	EPA 6010C	
Chromium - Dissolved	1.60	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	32		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	150		10	10	mg/L	SM18 2540C	



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Client ID: SW1 Lab ID: A006605-06

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Total Suspended Solids	15		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW2 Lab ID: A006605-07

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.56	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	36		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	22		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW3 Lab ID: A006605-08

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.42	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	24		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	6.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: Dup Lab ID: A006605-09

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Dissolved	1.55	I	1.30	10.0	ug/L	EPA 6010C	
Hardness	27		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO3	25		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	17		2.0	2.0	mg/L	SM18 2540D	

ANALYTICAL RESULTS

Description: SW4

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-01

Sampled: 12/21/10 11:36

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 07:46	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	82 %	41-142	0L23022	EPA 8260B	12/24/10 07:46	kat	
Dibromofluoromethane	39	1	50.0	78 %	53-146	0L23022	EPA 8260B	12/24/10 07:46	kat	
Toluene-d8	36	1	50.0	71 %	41-146	0L23022	EPA 8260B	12/24/10 07:46	kat	



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Description: SW4

Lab Sample ID: A006605-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:36

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	29		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	21		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:24	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	4.0		mg/L	1	2.0	2.0	0L28003	SM18 2540D	12/29/10 10:40	RMM	



Description: SW4

Lab Sample ID: A006605-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:36

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:49	ACV	



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Description: SW4

Lab Sample ID: A006605-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:36

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E62277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.42	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:06	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SWS

Matrix: Surface Water

Project: Deland NPL Site - SWS (Lake Miller)

Lab Sample ID: A006605-02

Sampled: 12/21/10 11:54

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 08:18	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 08:18	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L23022	EPA 8260B	12/24/10 08:18	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 08:18	kat	



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Description: SWS

Lab Sample ID: A006605-02

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:54

Work Order: A006605

Project: Deland NPL Site - SWS (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	25		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	25		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:28	KGonz	
Total Dissolved Solids [ECL-0156] ^	150		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	3.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SWS

Lab Sample ID: A006605-02

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:54

Work Order: A006605

Project: Deland NPL Site - SWS (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:51	ACV	



Description: SW5

Lab Sample ID: A006605-02

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 11:54

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.69	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:09	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SW6

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-03

Sampled: 12/21/10 12:22

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 08:50	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 08:50	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L23022	EPA 8260B	12/24/10 08:50	kat	
Toluene-d8	37	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 08:50	kat	



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Description: SW6

Lab Sample ID: A006605-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:22

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	28		mg/L	1	2.0	2.0	OL23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	27		mg/L	1	1.7	10	OL30002	EPA 310.2	12/30/10 09:29	KGonz	
Total Dissolved Solids [ECL-0156] ^	140		mg/L	1	10	10	OL23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	9.0		mg/L	1	2.0	2.0	OL23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW6

Lab Sample ID: A006605-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:22

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.53	I	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:54	ACV	



Description: SW6

Lab Sample ID: A006605-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:22

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.52	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:12	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SW7

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-04

Sampled: 12/21/10 12:47

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 09:21	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	81 %	41-142	0L23022	EPA 8260B	12/24/10 09:21	kat	
Dibromofluoromethane	42	1	50.0	83 %	53-146	0L23022	EPA 8260B	12/24/10 09:21	kat	
Toluene-d8	38	1	50.0	76 %	41-146	0L23022	EPA 8260B	12/24/10 09:21	kat	



Description: SW7

Lab Sample ID: A006605-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:47

Work Order: A006605

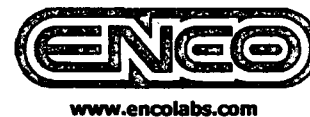
Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	28		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:30	KGonz	
Total Dissolved Solids [ECL-0156] ^	140		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	28		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW7

Lab Sample ID: A006605-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:47

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.32	I	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:57	ACV	



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Description: SW7

Lab Sample ID: A006605-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 12:47

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.35	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:14	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SW8

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-05

Sampled: 12/21/10 13:08

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 09:53	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	81 %	41-142	0L23022	EPA 8260B	12/24/10 09:53	kat	
Dibromofluoromethane	41	1	50.0	81 %	53-146	0L23022	EPA 8260B	12/24/10 09:53	kat	
Toluene-d8	36	1	50.0	72 %	41-146	0L23022	EPA 8260B	12/24/10 09:53	kat	



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Description: SW8

Lab Sample ID: A006605-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:08

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	24		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:31	KGonz	
Total Dissolved Solids [ECL-0156] ^	140		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	7.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW8

Lab Sample ID: A006605-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:08

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.37	I	ug/L	1	1.30	10.0	0L23017	EPA 6010C	12/27/10 14:08	ACV	



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Description: SW8

Lab Sample ID: A006605-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:08

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.46	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:17	GM8	

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Description: SW1

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-06

Sampled: 12/21/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 10:25	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 10:25	kat	
Dibromofluoromethane	41	1	50.0	81 %	53-146	0L23022	EPA 8260B	12/24/10 10:25	kat	
Toluene-d8	36	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 10:25	kat	



Description: SW1

Lab Sample ID: A006605-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:23

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	32		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:34	KGonz	
Total Dissolved Solids [ECL-0156] ^	150		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	15		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW1

Lab Sample ID: A006605-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:23

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.36	I	ug/L	1	1.30	10.0	0L23017	EPA 6010C	12/27/10 14:11	ACV	



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Description: SW1

Lab Sample ID: A006605-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:23

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.60	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:20	GMB	

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Description: SW2

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-07

Sampled: 12/21/10 13:42

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 10:57	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	83 %	41-142	0L23022	EPA 8260B	12/24/10 10:57	kat	
Dibromofluoromethane	42	1	50.0	83 %	53-146	0L23022	EPA 8260B	12/24/10 10:57	kat	
Toluene-d8	37	1	50.0	75 %	41-146	0L23022	EPA 8260B	12/24/10 10:57	kat	



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Description: SW2

Lab Sample ID: A006605-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:42

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	36		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:35	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	22		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW2

Lab Sample ID: A006605-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:42

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23017	EPA 6010C	12/27/10 14:13	ACV	



Description: SW2

Lab Sample ID: A006605-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 13:42

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.56	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:22	GMB	

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Description: SW3

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-08

Sampled: 12/21/10 14:09

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 11:29	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	79 %	41-142	0L23022	EPA 8260B	12/24/10 11:29	kat	
Dibromofluoromethane	40	1	50.0	80 %	53-146	0L23022	EPA 8260B	12/24/10 11:29	kat	
Toluene-d8	36	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 11:29	kat	



Description: SW3

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-08

Sampled: 12/21/10 14:09

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006605

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	24		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:36	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	6.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW3

Lab Sample ID: A006605-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 14:09

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23017	EPA 6010C	12/27/10 14:16	ACV	



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Description: SW3

Lab Sample ID: A006605-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 14:09

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC EB2277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.42	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 11:46	GMB	

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Description: Dup
Matrix: Surface Water
Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-09
Sampled: 12/21/10 14:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Dibromodichloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 12:01	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	81 %	41-142	0L23022	EPA 8260B	12/24/10 12:01	kat	
Dibromofluoromethane	42	1	50.0	83 %	53-146	0L23022	EPA 8260B	12/24/10 12:01	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 12:01	kat	



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Description: Dup

Lab Sample ID: A006605-09

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/21/10 14:30

Work Order: A006605

Project: Deland NPL Site - SWs (Lake Miller)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	27		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	25		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:37	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L23002	SM18 2540C	12/26/10 10:39	AH	
Total Suspended Solids [ECL-0169] ^	17		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: Dup
Matrix: Surface Water
Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-09
Sampled: 12/21/10 14:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006605

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23017	EPA 6010C	12/27/10 14:19	ACV	



Description: Dup
Matrix: Surface Water
Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-09
Sampled: 12/21/10 14:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A006605

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.55	I	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 11:49	GMB	

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Description: TRIP BLANK

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Miller)

Lab Sample ID: A006605-10

Sampled: 12/21/10 00:00

Sampled By: Enco

Received: 12/22/10 09:45

Work Order: A006605

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC EB3182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dibromofluoromethane	41	1	50.0	82 %	53-146	0L23022	EPA 8260B	12/24/10 12:33	kat	
Toluene-d8	36	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 12:33	kat	

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L23016 - EPA 3005A

Blank (0L23016-BLK1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1.30	U	10.0	ug/L							

LCS (0L23016-BS1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	486		10.0	ug/L	500		97	85-115			

Matrix Spike (0L23016-MS1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:17

Source: B005959-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	476		10.0	ug/L	500	1.30 U	95	80-120			

Matrix Spike Dup (0L23016-MSD1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:19

Source: B005959-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	485		10.0	ug/L	500	1.30 U	97	80-120	2	30	

Batch 0L23017 - EPA 3005A

Blank (0L23017-BLK1)

Prepared: 12/23/2010 15:07 Analyzed: 12/27/2010 13:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1.30	U	10.0	ug/L							

LCS (0L23017-BS1)

Prepared: 12/23/2010 15:07 Analyzed: 12/27/2010 13:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	489		10.0	ug/L	500		98	85-115			

Matrix Spike (0L23017-MS1)

Prepared: 12/23/2010 15:07 Analyzed: 12/27/2010 13:58

Source: A006605-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	484		10.0	ug/L	500	1.37	97	80-120			

Matrix Spike Dup (0L23017-MSD1)

Prepared: 12/23/2010 15:07 Analyzed: 12/27/2010 14:04

Source: A006605-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	484		10.0	ug/L	500	1.37	96	80-120	0.08	30	

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L27008 - EPA 3005A

QUALITY CONTROL

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L27008 - EPA 3005A

Blank (0L27008-BLK1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1.30	U	10.0	ug/L							

LCS (0L27008-BS1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	496		10.0	ug/L	500		99	85-115			

Matrix Spike (0L27008-MS1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:35

Source: B005959-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	500		10.0	ug/L	500	1.30 U	100	80-120			

Matrix Spike Dup (0L27008-MSD1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:36

Source: B005959-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	502		10.0	ug/L	500	1.30 U	100	80-120	0.3	30	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23022 - EPA 50308_MS

Blank (0L23022-BLK1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23022 - EPA 50308_MS

Blank (0L23022-BLK1) Continued

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		80	41-142			
Surrogate: Dibromofluoromethane	40			ug/L	50.0		79	53-146			
Surrogate: Toluene-d8	38			ug/L	50.0		76	41-146			

LCS (0L23022-BS1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 05:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		95	65-144			
Chlorobenzene	16		1.0	ug/L	20.0		82	77-127			
Trichloroethene	19		1.0	ug/L	20.0		94	83-133			
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		84	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		78	41-146			

Matrix Spike (0L23022-MS1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:43

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.50 U	84	65-144			
Chlorobenzene	15		1.0	ug/L	20.0	0.37 U	76	77-127			QM-07
Trichloroethene	17		1.0	ug/L	20.0	0.39 U	85	83-133			
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		81	41-142			
Surrogate: Dibromofluoromethane	39			ug/L	50.0		79	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		79	41-146			

Matrix Spike Dup (0L23022-MSD1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 07:14

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.50 U	93	65-144	10	16	
Chlorobenzene	16		1.0	ug/L	20.0	0.37 U	82	77-127	8	13	
Trichloroethene	18		1.0	ug/L	20.0	0.39 U	88	83-133	3	20	
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		84	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		79	41-146			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L23002 - NO PREP

Blank (0L23002-BLK1)

Prepared: 12/23/2010 06:55 Analyzed: 12/26/2010 10:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (0L23002-BS1)

Prepared: 12/23/2010 06:55 Analyzed: 12/26/2010 10:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L	300		96	88-111			

Duplicate (0L23002-DUP1)

Prepared: 12/23/2010 06:55 Analyzed: 12/26/2010 10:39

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	130		10	mg/L		130			2	10	

Batch 0L23015 - NO PREP

Blank (0L23015-BLK1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	2.0	U	2.0	mg/L							

LCS (0L23015-BS1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	200		2.0	mg/L	200		102	90-110			

Matrix Spike (0L23015-MS1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	180		2.0	mg/L	167	29	92	90-110			

Matrix Spike Dup (0L23015-MSD1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	190		2.0	mg/L	167	29	94	90-110	2	10	

Batch 0L23021 - NO PREP

Blank (0L23021-BLK1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	2.0	U	2.0	mg/L							

LCS (0L23021-BS1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L23021 - NO PREP

LCS (0L23021-BS1) Continued

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	87		2.0	mg/L	80.0		109	90-119			

Duplicate (0L23021-DUP1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Source: A006137-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	25		2.0	mg/L		26			4	10	

Batch 0L28003 - NO PREP

Blank (0L28003-BLK1)

Prepared: 12/28/2010 10:12 Analyzed: 12/29/2010 10:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	2.0	U	2.0	mg/L							

LCS (0L28003-BS1)

Prepared: 12/28/2010 10:12 Analyzed: 12/29/2010 10:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	91		2.0	mg/L	80.0		114	90-119			

Duplicate (0L28003-DUP1)

Prepared: 12/28/2010 10:12 Analyzed: 12/29/2010 10:40

Source: A006075-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	5.0		2.0	mg/L		5.0			0	10	

Batch 0L30002 - NO PREP

Blank (0L30002-BLK1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	1.7	U	10	mg/L							

LCS (0L30002-BS1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	260		10	mg/L	250		105	90-110			

Matrix Spike (0L30002-MS1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:25

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	290		10	mg/L	250	21	106	90-110			

Matrix Spike Dup (0L30002-MSD1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:26

Source: A006605-01

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L30002 - NO PREP

Matrix Spike Dup (0L30002-MSD1) Continued

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:26

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO ₃	280		10	mg/L	250	21	106	90-110	0.6	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.

Orlando, FL 32824

(407) 626-5314 Fax (407) 650-6945

4810 Executive Park Court, Suite 211

Jacksonville, FL 32216-0369

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102-A Woodwind Industrial Ct.

Cary, NC 27511

(919) 407-3060 Fax (919) 487-3513

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Page ____ of ____

Client Name Universal Engineering Sciences (UN001)		Project Number [none]		Requested Analyses						Requested Turnaround Times		
Address 3532 Maggie Blvd.		Project Name/Desc Deland NPL Site - SWs		8260B Halo	8260B Extended (Acetone)	Alk310.2	Cr	Cr/F (Lab Filter)	Hardness SM2340C	TDS SM2540C, TSS SM2540D	Note: Rush requests subject to acceptance by the facility	
City/State/Zip Orlando, FL 32811		PO # / Billing Info									____ Standard	
Tel (407) 423-0504		Fax (407) 423-2106									____ Expedited	
Sampler(s) Name, Affiliation (Print) <i>Mike Geden</i>		Reporting Contact Mike Geden									Due ____/____/____	
Sampler(s) Signature <i>[Signature]</i>		Site Location / Time Zone LA MILLER								Lab Workorder A006605		

Preservation (See Codes) (Combine as necessary)														
Item #	Sample ID (Field Ident. catton)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	HI	HI	I	N	-	N	I	Sample Comments
	SW4	12/1/10	1:36	G	SW	7	X	X	X	X	X	X	X	
	SW5		11:54			7	X	X	X	X	X	X	X	
	SW6		12:22			7	X	X	X	X	X	X	X	
	SW7		12:47			7	X	X	X	X	X	X	X	
	SW8		1:08			7	X	X	X	X	X	X	X	
	SW1		1:23			7	X	X	X	X	X	X	X	
	SW2		1:42			7	X	X	X	X	X	X	X	
	SW3		2:09			7	X	X	X	X	X	X	X	
	DUP.	✓	2:30	✓	✓	7	X	X	X	X	X	X	X	
	TRIP BLANK					2	X	X	X	X	X	X	X	

Sample Prepped By <i>[Signature]</i>	Date/Time 12/1/10 1300	Requested By <i>[Signature]</i>	Date/Time 12/1/10 1300	Received By <i>[Signature]</i>	Date/Time 12/20/10 7:00
Continued/Specs: Reporting Requirements		Requested By <i>[Signature]</i>	Date/Time 12/2/10 6:50	Received By <i>[Signature]</i>	Date/Time 12/22/10 09:45
		Requested By <i>[Signature]</i>	Date/Time 12/22/10 9:45	Received By <i>[Signature]</i>	Date/Time 12/22/10 9:45
Cooler #s & Temp on Receipt C-115 1°C			Condition Upon Receipt ☒ Acceptable ☐ Unacceptable		

Matrix: GW-Groundwater, SO-Soil DW-Drinking Water, SE-Sediment, BW-Surface Water, WW-Wastewater, A-Air, O-Other (detail in comments) Preservation: B-Ice, H-HCl, N-HNO3, S-H2SO4, NO-NaOH, O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions stated on the reverse of this form, unless prior written agreements exist.

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



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Thursday, December 30, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - Sediments (Lake Talmadge)

ENCO Workorder: A007017

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 22, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Marcia Colon".

Marcia Colon For Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY / LABORATORY CHRONICLE

Client ID: Sed 7		Lab ID: A007017-01		Sampled: 12/20/10 12:30		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 12:59			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 13:08			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			

Client ID: Sed 6		Lab ID: A007017-02		Sampled: 12/20/10 13:01		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 13:00			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 13:40			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			

Client ID: Sed 8		Lab ID: A007017-03		Sampled: 12/20/10 13:23		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 13:07			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 14:12			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			

Client ID: Sed 5		Lab ID: A007017-04		Sampled: 12/20/10 13:46		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 13:09			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 14:44			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			

Client ID: Sed 4		Lab ID: A007017-05		Sampled: 12/20/10 14:06		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 13:12			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 15:16			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			

Client ID: Sed 3		Lab ID: A007017-06		Sampled: 12/20/10 14:31		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 6010C	06/18/11	12/23/10	09:42	12/27/2010 13:14			
EPA 8260B	01/03/11	12/29/10	09:22	12/29/2010 15:49			
Walkley Black Method	01/19/11	12/23/10	12:12	12/23/2010 14:10			



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Client ID:	Sed 1	Lab ID: A007017-07	Sampled: 12/20/10 14:45	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/18/11	12/23/10 09:42	12/27/2010 13:17	
EPA 8260B	01/03/11	12/29/10 09:22	12/29/2010 16:21	
Walkley Black Method	01/19/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Sed 2	Lab ID: A007017-08	Sampled: 12/20/10 15:07	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/18/11	12/23/10 09:42	12/27/2010 13:20	
EPA 8260B	01/03/11	12/29/10 09:22	12/29/2010 16:53	
Walkley Black Method	01/19/11	12/23/10 12:12	12/23/2010 14:10	

Client ID:	Dup	Lab ID: A007017-09	Sampled: 12/20/10 15:30	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	06/18/11	12/23/10 09:42	12/27/2010 13:22	
EPA 8260B	01/03/11	12/29/10 09:22	12/29/2010 17:25	
Walkley Black Method	01/19/11	12/23/10 12:12	12/23/2010 14:10	



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SAMPLE DETECTION SUMMARY

Client ID: Sed 7		Lab ID: A007017-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.014		0.0010	0.0061	mg/kg dry	EPA 8260B	
Chromium - Total	5.64		0.0576	0.576	mg/kg dry	EPA 6010C	
Total Organic Carbon	13000		680	680	mg/kg dry	Walkley Black Method	

Client ID: Sed 6		Lab ID: A007017-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0070		0.0008	0.0050	mg/kg dry	EPA 8260B	
Chromium - Total	0.271	I	0.0615	0.615	mg/kg dry	EPA 6010C	
Total Organic Carbon	5500		690	690	mg/kg dry	Walkley Black Method	

Client ID: Sed 8		Lab ID: A007017-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.012		0.0007	0.0043	mg/kg dry	EPA 8260B	
Chromium - Total	4.40		0.0564	0.564	mg/kg dry	EPA 6010C	
Total Organic Carbon	7800		650	650	mg/kg dry	Walkley Black Method	

Client ID: Sed 5		Lab ID: A007017-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.040		0.0011	0.0067	mg/kg dry	EPA 8260B	
Chromium - Total	0.725		0.0589	0.589	mg/kg dry	EPA 6010C	
Total Organic Carbon	15000		670	670	mg/kg dry	Walkley Black Method	

Client ID: Sed 4		Lab ID: A007017-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	0.0006	I	0.0003	0.0014	mg/kg dry	EPA 8260B	
1,2-Dichloroethane	0.0009	I	0.0003	0.0014	mg/kg dry	EPA 8260B	
Acetone	0.044		0.0012	0.0072	mg/kg dry	EPA 8260B	
Chloroform	0.0007	I	0.0003	0.0014	mg/kg dry	EPA 8260B	
Chromium - Total	1.31		0.0723	0.723	mg/kg dry	EPA 6010C	
Total Organic Carbon	19000		720	720	mg/kg dry	Walkley Black Method	

Client ID: Sed 3		Lab ID: A007017-06					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.029		0.0015	0.0090	mg/kg dry	EPA 8260B	
Chromium - Total	1.42		0.0898	0.898	mg/kg dry	EPA 6010C	
Total Organic Carbon	14000		900	900	mg/kg dry	Walkley Black Method	

Client ID: Sed 1		Lab ID: A007017-07					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.011		0.0008	0.0049	mg/kg dry	EPA 8260B	
Chromium - Total	0.584	I	0.0670	0.670	mg/kg dry	EPA 6010C	
Total Organic Carbon	5400		670	670	mg/kg dry	Walkley Black Method	

Client ID: Sed 2		Lab ID: A007017-08					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.021		0.0010	0.0058	mg/kg dry	EPA 8260B	
Chromium - Total	2.22		0.0679	0.679	mg/kg dry	EPA 6010C	
Total Organic Carbon	14000		680	680	mg/kg dry	Walkley Black Method	

Client ID: Dup		Lab ID: A007017-09					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.018		0.0009	0.0055	mg/kg dry	EPA 8260B	
Chromium - Total	0.257	I	0.0666	0.666	mg/kg dry	EPA 6010C	
Total Organic Carbon	6400		670	670	mg/kg dry	Walkley Black Method	

ANALYTICAL RESULTS

Description: Sed 7

Lab Sample ID: A007017-01

Received: 12/22/10 09:45

Matrix: Sediment

Sampled: 12/20/10 12:30

Work Order: A007017

Project: Deland NPL Site - Sediments (Lake Talmadge)

Sampled By: John Munsch

% Solids: 73.70

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0061	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Acetone [67-64-1] ^	0.014		mg/kg dry	1	0.0010	0.0061	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Bromomethane [74-83-9] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Chloroethane [75-00-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Chloromethane [74-87-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Methylene Chloride [75-09-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0061	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Tetrachloroethene [127-18-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 13:08	kdw	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L29002	EPA 8260B	12/29/10 13:08	kdw		
Dibromofluoromethane	44	1	50.0	87 %	72-133	0L29002	EPA 8260B	12/29/10 13:08	kdw		
Toluene-d8	43	1	50.0	86 %	80-123	0L29002	EPA 8260B	12/29/10 13:08	kdw		



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Description: Sed 7

Lab Sample ID: A007017-01

Received: 12/22/10 09:45

Matrix: Sediment

Sampled: 12/20/10 12:30

Work Order: A007017

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Sampled By: John Munsch

% Solids: 73.70

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC ES3182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	13000		mg/kg dry	1	680	680	0L23023	Walkey Black Method	12/23/10 14:10	NP	



Description: Sed 7
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake Talmadge)

Lab Sample ID: A007017-01
Sampled: 12/20/10 12:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 73.70

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>POL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chromium [7440-47-3] ^	5.64		mg/kg dry	1	0.0576	0.576	0L23006	EPA 6010C	12/27/10 12:59	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 6

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-02

Sampled: 12/20/10 13:01

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 72.16

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC 883182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0002	U	mg/kg dry	1	0.0002	0.0050	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Acetone [67-64-1] ^	0.0070		mg/kg dry	1	0.0008	0.0050	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Bromomethane [74-83-9] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Chloroethane [75-00-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Chloroform [67-66-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Chloromethane [74-87-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Methylene Chloride [75-09-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0050	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Tetrachloroethene [127-18-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 13:40	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	83 %	71-126	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Dibromofluoromethane	45	1	50.0	90 %	72-133	0L29002	EPA 8260B	12/29/10 13:40	kdw	
Toluene-d8	42	1	50.0	85 %	80-123	0L29002	EPA 8260B	12/29/10 13:40	kdw	



Description: Sed 6
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake Talmadge)

Lab Sample ID: A007017-02
Sampled: 12/20/10 13:01
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 72.16

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	5500		mg/kg dry	1	690	690	OL23023	Walkley Black Method	12/23/10 14:10	NP	



Description: Sed 6
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-02
Sampled: 12/20/10 13:01
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 72.16

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.271	1	mg/kg dry	1	0.0615	0.615	0L23006	EPA 6010C	12/27/10 13:00	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-03

Sampled: 12/20/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 77.29

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0002	U	mg/kg dry	1	0.0002	0.0043	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Acetone [67-64-1] ^	0.012		mg/kg dry	1	0.0007	0.0043	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Bromoform [75-25-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Bromomethane [74-83-9] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Chlorobenzene [108-90-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Chloroethane [75-00-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Chloroform [67-66-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Chloromethane [74-87-3] ^	0.0005	U	mg/kg dry	1	0.0005	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Methylene Chloride [75-09-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0043	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Tetrachloroethene [127-18-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Trichloroethene [79-01-6] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0009	0L29002	EPA 8260B	12/29/10 14:12	kdw	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	41	1	50.0	81 %	71-126	0L29002	EPA 8260B	12/29/10 14:12	kdw		
Dibromofluoromethane	45	1	50.0	91 %	72-133	0L29002	EPA 8260B	12/29/10 14:12	kdw		
Toluene-d8	42	1	50.0	84 %	80-123	0L29002	EPA 8260B	12/29/10 14:12	kdw		

Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-03

Sampled: 12/20/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 77.29

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	7800		mg/kg dry	1	650	650	0L23023	Nalkey Black Methoc	12/23/10 14:10	NP	



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Description: Sed 8

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-03

Sampled: 12/20/10 13:23

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 77.29

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	4.40		mg/kg dry	1	0.0564	0.564	0L23006	EPA 6010C	12/27/10 13:07	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-04

Sampled: 12/20/10 13:46

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.47

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0067	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Acetone [67-64-1] ^	0.040		mg/kg dry	1	0.0011	0.0067	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Bromoform [75-25-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Bromomethane [74-83-9] ^	0.0007	U	mg/kg dry	1	0.0007	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Chlorobenzene [108-90-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Chloroethane [75-00-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Chloromethane [74-87-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0007	U	mg/kg dry	1	0.0007	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Methylene Chloride [75-09-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0067	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Tetrachloroethene [127-18-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0013	0L29002	EPA 8260B	12/29/10 14:44	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Dibromofluoromethane	45	1	50.0	90 %	72-133	0L29002	EPA 8260B	12/29/10 14:44	kdw	
Toluene-d8	42	1	50.0	84 %	80-123	0L29002	EPA 8260B	12/29/10 14:44	kdw	



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Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-04

Sampled: 12/20/10 13:46

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.47

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	15000		mg/kg dry	1	670	670	0L23023	Walkley Black Method	12/23/10 14:10	NP	



Description: Sed 5

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-04

Sampled: 12/20/10 13:46

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.47

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.725		mg/kg dry	1	0.0589	0.589	0L23006	EPA 6010C	12/27/10 13:09	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 4

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake Talmadge)

Lab Sample ID: A007017-05

Sampled: 12/20/10 14:06

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 69.20

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0006	I	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0009	I	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0072	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Acetone [67-64-1] ^	0.044		mg/kg dry	1	0.0012	0.0072	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Bromodichloromethane [75-27-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Bromoform [75-25-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Bromomethane [74-83-9] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Chlorobenzene [108-90-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Chloroethane [75-00-3] ^	0.0009	U	mg/kg dry	1	0.0009	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Chloroform [67-66-3] ^	0.0007	I	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Chloromethane [74-87-3] ^	0.0008	U	mg/kg dry	1	0.0008	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Dibromochloromethane [124-48-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Methylene Chloride [75-09-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0072	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Tetrachloroethene [127-18-4] ^	0.0007	U	mg/kg dry	1	0.0007	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Trichloroethene [79-01-6] ^	0.0004	U	mg/kg dry	1	0.0004	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Vinyl chloride [75-01-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0014	0L29002	EPA 8260B	12/29/10 15:16	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	71-126	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Dibromofluoromethane	47	1	50.0	94 %	72-133	0L29002	EPA 8260B	12/29/10 15:16	kdw	
Toluene-d8	43	1	50.0	86 %	80-123	0L29002	EPA 8260B	12/29/10 15:16	kdw	

Description: Sed 4

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-05

Sampled: 12/20/10 14:06

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 69.20

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	19000		mg/kg dry	1	720	720	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 4

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-05

Sampled: 12/20/10 14:06

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 69.20

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.31		mg/kg dry	1	0.0723	0.723	0L23006	EPA 6010C	12/27/10 13:12	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 3

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-06

Sampled: 12/20/10 14:31

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 55.67

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0008	U	mg/kg dry	1	0.0008	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0004	U	mg/kg dry	1	0.0004	0.0090	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Acetone [67-64-1] ^	0.029		mg/kg dry	1	0.0015	0.0090	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Bromodichloromethane [75-27-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Bromoform [75-25-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Bromomethane [74-83-9] ^	0.0009	U	mg/kg dry	1	0.0009	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Chlorobenzene [108-90-7] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Chloroethane [75-00-3] ^	0.0011	U	mg/kg dry	1	0.0011	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Chloroform [67-66-3] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Chloromethane [74-87-3] ^	0.0010	U	mg/kg dry	1	0.0010	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Dibromochloromethane [124-48-1] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0009	U	mg/kg dry	1	0.0009	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Methylene Chloride [75-09-2] ^	0.0007	U	mg/kg dry	1	0.0007	0.0090	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Tetrachloroethene [127-18-4] ^	0.0009	U	mg/kg dry	1	0.0009	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Trichloroethene [79-01-6] ^	0.0005	U	mg/kg dry	1	0.0005	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Vinyl chloride [75-01-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0018	0L29002	EPA 8260B	12/29/10 15:49	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Dibromofluoromethane	45	1	50.0	90 %	72-133	0L29002	EPA 8260B	12/29/10 15:49	kdw	
Toluene-d8	43	1	50.0	87 %	80-123	0L29002	EPA 8260B	12/29/10 15:49	kdw	



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Description: Sed 3

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-06

Sampled: 12/20/10 14:31

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 55.67

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	14000		mg/kg dry	1	900	900	OL23023	Walkley Black Method	12/23/10 14:10	NP	



Description: Sed 3
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-06
Sampled: 12/20/10 14:31
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 55.67

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.42		mg/kg dry	1	0.0898	0.898	0L23006	EPA 6010C	12/27/10 13:14	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-07

Sampled: 12/20/10 14:45

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.52

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0004	U	mg/kg dry	1	0.0004	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0002	U	mg/kg dry	1	0.0002	0.0049	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Acetone [67-64-1] ^	0.011		mg/kg dry	1	0.0008	0.0049	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Bromomethane [74-83-9] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Chloroethane [75-00-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Chloroform [67-66-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Chloromethane [74-87-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Methylene Chloride [75-09-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0049	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Tetrachloroethene [127-18-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0010	0L29002	EPA 8260B	12/29/10 16:21	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	85 %	71-126	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Dibromofluoromethane	46	1	50.0	92 %	72-133	0L29002	EPA 8260B	12/29/10 16:21	kdw	
Toluene-d8	43	1	50.0	87 %	80-123	0L29002	EPA 8260B	12/29/10 16:21	kdw	

Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-07

Sampled: 12/20/10 14:45

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.52

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	5400		mg/kg dry	1	670	670	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 1

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-07

Sampled: 12/20/10 14:45

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 74.52

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>POL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Chromium [7440-47-3] ^	0.584	1	mg/kg dry	1	0.0670	0.670	0L23006	EPA 6010C	12/27/10 13:17	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Sed 2

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-08

Sampled: 12/20/10 15:07

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 73.63

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0058	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Acetone [67-64-1] ^	0.021		mg/kg dry	1	0.0010	0.0058	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Bromomethane [74-83-9] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Chloroethane [75-00-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Chloroform [67-66-3] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Chloromethane [74-87-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Methylene Chloride [75-09-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0058	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Tetrachloroethene [127-18-4] ^	0.0006	U	mg/kg dry	1	0.0006	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0012	0L29002	EPA 8260B	12/29/10 16:53	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	85 %	71-126	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Dibromofluoromethane	47	1	50.0	95 %	72-133	0L29002	EPA 8260B	12/29/10 16:53	kdw	
Toluene-d8	43	1	50.0	85 %	80-123	0L29002	EPA 8260B	12/29/10 16:53	kdw	



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Description: Sed 2

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-08

Sampled: 12/20/10 15:07

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 73.63

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	14000		mg/kg dry	1	680	680	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Sed 2
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-08
Sampled: 12/20/10 15:07
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 73.63

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC EB2277]

Analyte [CAS Number]	Results	Flag	Units	DF	MRL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	2.22		mg/kg dry	1	0.0679	0.679	0L23006	EPA 6010C	12/27/10 13:20	ACV	

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Description: Dup

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-09

Sampled: 12/20/10 15:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 75.10

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,1-Dichloroethane [75-34-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,1-Dichloroethene [75-35-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,2-Dichloroethane [107-06-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,2-Dichloropropane [78-87-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,3-Dichlorobenzene [541-73-1] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.0003	U	mg/kg dry	1	0.0003	0.0055	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Acetone [67-64-1] ^	0.018		mg/kg dry	1	0.0009	0.0055	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Bromodichloromethane [75-27-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Bromoform [75-25-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Bromomethane [74-83-9] ^	0.0005	U	mg/kg dry	1	0.0005	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Carbon Tetrachloride [56-23-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Chlorobenzene [108-90-7] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Chloroethane [75-00-3] ^	0.0007	U	mg/kg dry	1	0.0007	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Chloroform [67-66-3] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Chloromethane [74-87-3] ^	0.0006	U	mg/kg dry	1	0.0006	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Dibromochloromethane [124-48-1] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Dichlorodifluoromethane [75-71-8] ^	0.0005	U	mg/kg dry	1	0.0005	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Methylene Chloride [75-09-2] ^	0.0004	U	mg/kg dry	1	0.0004	0.0055	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Tetrachloroethene [127-18-4] ^	0.0005	U	mg/kg dry	1	0.0005	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Trichloroethene [79-01-6] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Trichlorofluoromethane [75-69-4] ^	0.0003	U	mg/kg dry	1	0.0003	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Vinyl chloride [75-01-4] ^	0.0002	U	mg/kg dry	1	0.0002	0.0011	0L29002	EPA 8260B	12/29/10 17:25	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	86 %	71-126	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Dibromofluoromethane	47	1	50.0	95 %	72-133	0L29002	EPA 8260B	12/29/10 17:25	kdw	
Toluene-d8	42	1	50.0	84 %	80-123	0L29002	EPA 8260B	12/29/10 17:25	kdw	



Description: Dup
Matrix: Sediment
Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-09
Sampled: 12/20/10 15:30
Sampled By: John Munsch

Received: 12/22/10 09:45
Work Order: A007017
% Solids: 75.10

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	6400		mg/kg dry	1	670	670	0L23023	Walkley Black Method	12/23/10 14:10	NP	



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Description: Dup

Matrix: Sediment

Project: Deland NPL Site - Sediments (Lake
Talmadge)

Lab Sample ID: A007017-09

Sampled: 12/20/10 15:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A007017

% Solids: 75.10

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	0.257	1	mg/kg dry	1	0.0666	0.666	0L23006	EPA 6010C	12/27/10 13:22	ACV	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0L23006 - EPA 30508

Blank (0L23006-BLK1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	0.0500	U	0.500	mg/kg wet							

LCS (0L23006-BS1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	25.6		0.500	mg/kg wet	26.3		97	85-115			

Matrix Spike (0L23006-MS1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:27

Source: B005963-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	30.5		0.618	mg/kg dry	30.9	0.505	97	80-120			

Matrix Spike Dup (0L23006-MSD1)

Prepared: 12/23/2010 09:42 Analyzed: 12/27/2010 12:29

Source: B005963-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	30.4		0.605	mg/kg dry	30.3	0.505	99	80-120	0.4	30	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L29002 - EPA 5035_MS

Blank (0L29002-BLK1)

Prepared: 12/29/2010 09:22 Analyzed: 12/29/2010 11:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0003	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0002	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0002	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0003	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0003	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0002	U	0.0010	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.0002	U	0.0050	mg/kg wet							
Acetone	0.0008	U	0.0050	mg/kg wet							
Bromodichloromethane	0.0002	U	0.0010	mg/kg wet							
Bromoform	0.0003	U	0.0010	mg/kg wet							
Bromomethane	0.0005	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0002	U	0.0010	mg/kg wet							
Chlorobenzene	0.0003	U	0.0010	mg/kg wet							
Chloroethane	0.0006	U	0.0010	mg/kg wet							
Chloroform	0.0002	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0003	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L29002 - EPA 5035_MS

Blank (0L29002-BLK1) Continued

Prepared: 12/29/2010 09:22 Analyzed: 12/29/2010 11:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,3-Dichloropropene	0.0002	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0002	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0005	U	0.0010	mg/kg wet							
Methylene Chloride	0.0004	U	0.0050	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0002	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0003	U	0.0010	mg/kg wet							
Trichloroethene	0.0003	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0002	U	0.0010	mg/kg wet							
Vinyl chloride	0.0002	U	0.0010	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		85	71-126			
Surrogate: Dibromofluoromethane	44			ug/L	50.0		88	72-133			
Surrogate: Toluene-d8	43			ug/L	50.0		85	80-123			

LCS (0L29002-BS1)

Prepared: 12/29/2010 09:22 Analyzed: 12/29/2010 11:01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		105	61-124			
Chlorobenzene	20		1.0	ug/L	20.0		100	69-121			
Trichloroethene	20		1.0	ug/L	20.0		100	71-122			
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	71-126			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		87	72-133			
Surrogate: Toluene-d8	44			ug/L	50.0		88	80-123			

Matrix Spike (0L29002-MS1)

Prepared: 12/29/2010 09:22 Analyzed: 12/29/2010 12:04

Source: A007017-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.44 U	100	61-124			
Chlorobenzene	14		1.0	ug/L	20.0	0.28 U	70	69-121			
Trichloroethene	17		1.0	ug/L	20.0	0.29 U	84	71-122			
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		85	71-126			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		87	72-133			
Surrogate: Toluene-d8	44			ug/L	50.0		88	80-123			

Matrix Spike Dup (0L29002-MSD1)

Prepared: 12/29/2010 09:22 Analyzed: 12/29/2010 12:36

Source: A007017-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.44 U	101	61-124	0.8	23	
Chlorobenzene	14		1.0	ug/L	20.0	0.28 U	71	69-121	1	18	
Trichloroethene	18		1.0	ug/L	20.0	0.29 U	88	71-122	5	26	
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		85	71-126			
Surrogate: Dibromofluoromethane	44			ug/L	50.0		88	72-133			
Surrogate: Toluene-d8	43			ug/L	50.0		86	80-123			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L23023 - NO PREP

Blank (0L23023-BLK1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	500	U	500	mg/kg wet							

LCS (0L23023-BS1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	8400		500	mg/kg wet	9990		83.9	50-150			

Matrix Spike (0L23023-MS1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	36000		720	mg/kg dry	13800	22000	106	50-150			

Matrix Spike Dup (0L23023-MSD1)

Prepared: 12/23/2010 12:12 Analyzed: 12/23/2010 14:10

Source: A006606-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	34000		720	mg/kg dry	13300	22000	92.3	50-150	6.68	25	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Page ____ of ____

Client Name Universal Engineering Sciences (UN001)		Project Number [none]		Requested Analyses								Requested Turnaround Times					
Address 3532 Maggie Blvd.		Project Name/Desc Deland NPL Site - Sediments		% Solids, Cr	8260B Halo	8260B Extended (Acetone)	TOC Walkley Black						Note: Rush requests subject to acceptance by the facility				
City/ST/Zip Orlando, FL 32811		PO # / Billing Info															
Tel (407) 423-0504		Fax (407) 423-2108												Reporting Contact Mike Geden		Due <u> </u> / <u> </u> / <u> </u>	
Sampler(s) Name, Affiliation (Print) <i>[Signature]</i>		Billing Contact Mike Geden												Lab Workorder A006606			
Sampler(s) Signature <i>[Signature]</i>		Site Location / Time Zone W. T. ALMAYRE		Preservation (Soil Codes) (Combine as necessary)													

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers											Sample Comments
	SED 7	12/22/10	12:30	G	SED	3	X	X	X	X							
	SED 6		1:01			3	X	X	X	X							
	SED 8		1:23			3	X	X	X	X							
	SED 5		1:46			3	X	X	X	X							
	SED 4		2:06			3	X	X	X	X							
	SED 3		2:31			3	X	X	X	X							
	SED 1		2:45			3	X	X	X	X							
	SED 2		3:07			3	X	X	X	X							
	DUP.	✓	3:30	✓	✓	3	X	X	X	X							
← Total # of Containers																	

Sample Kit Prepared By <i>[Signature]</i>	Date/Time 12/22/10	Relinquished By <i>[Signature]</i>	Date/Time 12/22/10 11:00	Received By <i>[Signature]</i>	Date/Time 12/22/10 7:00
Comments: Special Reporting Requirements		Relinquished By <i>[Signature]</i>		Received By <i>[Signature]</i>	
		Relinquished By <i>[Signature]</i>		Received By <i>[Signature]</i>	
Cooler #1's & Temp on Receipt C-619 2°C		Condition Upon Receipt Acceptable _____ Unacceptable _____			

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-HCl N-HNO3 S-H2SO4 ND-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreement exist

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



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Thursday, December 30, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Deland NPL Site - SWs (Lake Talmadge)

ENCO Workorder: A006994

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, December 22, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Marcia Colon".

Marcia Colon For Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SW7		Lab ID: A006994-01		Sampled: 12/20/10 12:30		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/03/11	12/30/10	08:14	12/30/2010 09:38			
EPA 6010C	06/18/11	12/23/10	14:59	12/27/2010 11:20			
EPA 6010C	06/18/11	12/27/10	12:45	12/29/2010 09:38			
EPA 8260B	01/03/11	12/23/10	12:00	12/24/2010 13:05			
SM18 2340 C	06/18/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/27/10	12/22/10	16:30	12/23/2010 10:09			
SM18 2540D	12/27/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW6		Lab ID: A006994-02		Sampled: 12/20/10 13:01		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/03/11	12/30/10	08:14	12/30/2010 09:39			
EPA 6010C	06/18/11	12/23/10	14:59	12/27/2010 11:23			
EPA 6010C	06/18/11	12/27/10	12:45	12/29/2010 09:41			
EPA 8260B	01/03/11	12/23/10	12:00	12/24/2010 13:37			
SM18 2340 C	06/18/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/27/10	12/22/10	16:30	12/23/2010 10:09			
SM18 2540D	12/27/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW8		Lab ID: A006994-03		Sampled: 12/20/10 13:23		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/03/11	12/30/10	08:14	12/30/2010 09:40			
EPA 6010C	06/18/11	12/23/10	14:59	12/27/2010 11:26			
EPA 6010C	06/18/11	12/27/10	12:45	12/29/2010 09:43			
EPA 8260B	01/03/11	12/23/10	12:00	12/24/2010 14:10			
SM18 2340 C	06/18/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/27/10	12/22/10	16:30	12/23/2010 10:09			
SM18 2540D	12/27/10	12/23/10	11:58	12/24/2010 12:20			

Client ID: SW5		Lab ID: A006994-04		Sampled: 12/20/10 13:46		Received: 12/22/10 09:45	
Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)			
EPA 310.2	01/03/11	12/30/10	08:14	12/30/2010 09:41			
EPA 6010C	06/18/11	12/23/10	14:59	12/27/2010 11:28			
EPA 6010C	06/18/11	12/27/10	12:45	12/29/2010 09:46			
EPA 8260B	01/03/11	12/23/10	12:00	12/24/2010 14:41			
SM18 2340 C	06/18/11	12/23/10	10:33	12/23/2010 17:34			
SM18 2540C	12/27/10	12/22/10	16:30	12/23/2010 10:09			
SM18 2540D	12/27/10	12/23/10	11:58	12/24/2010 12:20			



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Client ID:	SW4	Lab ID: A006994-05	Sampled: 12/20/10 14:06	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 310.2	01/03/11	12/30/10 08:14	12/30/2010 09:42	
EPA 6010C	06/18/11	12/23/10 14:59	12/27/2010 11:31	
EPA 6010C	06/18/11	12/27/10 12:45	12/29/2010 09:49	
EPA 8260B	01/03/11	12/23/10 12:00	12/24/2010 15:13	
SM18 2340 C	06/18/11	12/23/10 10:33	12/23/2010 17:34	
SM18 2540C	12/27/10	12/22/10 16:30	12/23/2010 10:09	
SM18 2540D	12/27/10	12/23/10 11:58	12/24/2010 12:20	

Client ID:	SW3	Lab ID: A006994-06	Sampled: 12/20/10 14:31	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 310.2	01/03/11	12/30/10 08:14	12/30/2010 09:43	
EPA 6010C	06/18/11	12/23/10 14:59	12/27/2010 11:34	
EPA 6010C	06/18/11	12/27/10 12:45	12/29/2010 09:51	
EPA 8260B	01/03/11	12/23/10 12:00	12/24/2010 15:46	
SM18 2340 C	06/18/11	12/23/10 10:33	12/23/2010 17:34	
SM18 2540C	12/27/10	12/22/10 16:30	12/23/2010 10:09	
SM18 2540D	12/27/10	12/23/10 11:58	12/24/2010 12:20	

Client ID:	SW1	Lab ID: A006994-07	Sampled: 12/20/10 14:45	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 310.2	01/03/11	12/30/10 08:14	12/30/2010 09:46	
EPA 6010C	06/18/11	12/23/10 14:59	12/27/2010 11:41	
EPA 6010C	06/18/11	12/27/10 12:45	12/29/2010 09:58	
EPA 8260B	01/03/11	12/23/10 12:00	12/24/2010 16:17	
SM18 2340 C	06/18/11	12/23/10 10:33	12/23/2010 17:34	
SM18 2540C	12/27/10	12/22/10 16:30	12/23/2010 10:09	
SM18 2540D	12/27/10	12/23/10 11:58	12/24/2010 12:20	

Client ID:	SW2	Lab ID: A006994-08	Sampled: 12/20/10 15:07	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 310.2	01/03/11	12/30/10 08:14	12/30/2010 09:47	
EPA 6010C	06/18/11	12/23/10 14:59	12/27/2010 11:43	
EPA 6010C	06/18/11	12/27/10 12:45	12/29/2010 10:01	
EPA 8260B	01/03/11	12/26/10 13:50	12/26/2010 23:17	
SM18 2340 C	06/18/11	12/23/10 10:33	12/23/2010 17:34	
SM18 2540C	12/27/10	12/22/10 16:30	12/23/2010 10:09	
SM18 2540D	12/27/10	12/23/10 11:58	12/24/2010 12:20	

Client ID:	Dup	Lab ID: A006994-09	Sampled: 12/20/10 15:30	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 310.2	01/03/11	12/30/10 08:14	12/30/2010 09:48	
EPA 6010C	06/18/11	12/23/10 14:59	12/27/2010 11:46	
EPA 6010C	06/18/11	12/27/10 12:45	12/29/2010 10:04	
EPA 8260B	01/03/11	12/26/10 13:50	12/26/2010 23:47	
SM18 2340 C	06/18/11	12/23/10 10:33	12/23/2010 17:34	
SM18 2540C	12/27/10	12/22/10 16:30	12/23/2010 10:09	
SM18 2540D	12/27/10	12/23/10 11:58	12/24/2010 12:20	

Client ID:	TRIP BLANK	Lab ID: A006994-10	Sampled: 12/20/10 00:00	Received: 12/22/10 09:45
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	01/03/11	12/23/10 12:00	12/24/2010 12:33	



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SAMPLE DETECTION SUMMARY

Client ID: SW7 Lab ID: A006994-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	41		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	120		10	10	mg/L	SM18 2540C	
Total Suspended Solids	2.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW6 Lab ID: A006994-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	42		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	110		10	10	mg/L	SM18 2540C	
Total Suspended Solids	5.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW8 Lab ID: A006994-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	33		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	22		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	110		10	10	mg/L	SM18 2540C	
Total Suspended Solids	6.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW5 Lab ID: A006994-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	36		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	110		10	10	mg/L	SM18 2540C	

Client ID: SW4 Lab ID: A006994-05

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	43		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	23		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	110		10	10	mg/L	SM18 2540C	

Client ID: SW3 Lab ID: A006994-06

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	33		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	120		10	10	mg/L	SM18 2540C	
Total Suspended Solids	3.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW1 Lab ID: A006994-07

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	39		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	24		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	120		10	10	mg/L	SM18 2540C	
Total Suspended Solids	2.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: SW2 Lab ID: A006994-08

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	37		2.0	2.0	mg/L	SM18 2340 C	

Client ID: SW2 Lab ID: A006994-08

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Total Alkalinity as CaCO ₃	23		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	2.0		2.0	2.0	mg/L	SM18 2540D	

Client ID: Dup Lab ID: A006994-09

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Hardness	39		2.0	2.0	mg/L	SM18 2340 C	
Total Alkalinity as CaCO ₃	25		1.7	10	mg/L	EPA 310.2	
Total Dissolved Solids	130		10	10	mg/L	SM18 2540C	
Total Suspended Solids	4.0		2.0	2.0	mg/L	SM18 2540D	

ANALYTICAL RESULTS

Description: SW7

Lab Sample ID: A006994-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 12:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 13:05	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	79 %	41-142	0L23022	EPA 8260B	12/24/10 13:05	kat	
Dibromofluoromethane	42	1	50.0	84 %	53-146	0L23022	EPA 8260B	12/24/10 13:05	kat	
Toluene-d8	36	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 13:05	kat	

Description: SW7

Lab Sample ID: A006994-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 12:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC EB3182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	41		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:38	KGonz	
Total Dissolved Solids [ECL-0156] ^	120		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	2.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW7

Lab Sample ID: A006994-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 12:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:20	ACV	



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Description: SW7

Lab Sample ID: A006994-01

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 12:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:38	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SW6

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-02

Sampled: 12/20/10 13:01

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,1-Dichloroethane [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 13:37	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 13:37	kat	
Dibromofluoromethane	43	1	50.0	87 %	53-146	0L23022	EPA 8260B	12/24/10 13:37	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 13:37	kat	

Description: SW6

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-02

Sampled: 12/20/10 13:01

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	42		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:39	KGonz	
Total Dissolved Solids [ECL-0156] ^	110		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	5.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: SW6

Lab Sample ID: A006994-02

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:01

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:23	ACV	



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Description: SW6

Lab Sample ID: A006994-02

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:01

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:41	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: SW8

Lab Sample ID: A006994-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:23

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC EB3182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 14:10	kat	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 14:10	kat		
Dibromofluoromethane	42	1	50.0	84 %	53-146	0L23022	EPA 8260B	12/24/10 14:10	kat		
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 14:10	kat		

Description: SW8

Lab Sample ID: A006994-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:23

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	33		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	22		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:40	KGonz	
Total Dissolved Solids [ECL-0156] ^	110		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	6.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW8

Lab Sample ID: A006994-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:23

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:26	ACV	



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Description: SW8

Lab Sample ID: A006994-03

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:23

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:43	GMB	

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Description: SW5

Matrix: Surface Water

Project: Deland NPL Site - SWS (Lake Talmadge)

Lab Sample ID: A006994-04

Sampled: 12/20/10 13:46

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 14:41	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	78 %	41-142	0L23022	EPA 8260B	12/24/10 14:41	kat	
Dibromofluoromethane	42	1	50.0	84 %	53-146	0L23022	EPA 8260B	12/24/10 14:41	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 14:41	kat	



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Description: SW5

Lab Sample ID: A006994-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:46

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E80182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	36		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:41	KGonz	
Total Dissolved Solids [ECL-0156] ^	110		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	2.0	U	mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SWS

Lab Sample ID: A006994-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:46

Work Order: A006994

Project: Deland NPL Site - SWS (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:28	ACV	

Description: SW5

Lab Sample ID: A006994-04

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 13:46

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:46	GMB	

Description: SW4

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-05

Sampled: 12/20/10 14:06

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 15:13	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	79 %	41-142	0L23022	EPA 8260B	12/24/10 15:13	kat	
Dibromofluoromethane	42	1	50.0	85 %	53-146	0L23022	EPA 8260B	12/24/10 15:13	kat	
Toluene-d8	37	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 15:13	kat	

Description: SW4

Lab Sample ID: A006994-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:06

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC 683182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>POL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Hardness [ECL-0028] ^	43		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	23		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:42	KGonz	
Total Dissolved Solids [ECL-0156] ^	110		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	2.0	U	mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW4

Lab Sample ID: A006994-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:06

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	OL23016	EPA 6010C	12/27/10 11:31	ACV	



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Description: SW4

Lab Sample ID: A006994-05

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:06

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC 682277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:49	GMB	

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Description: SW3

Lab Sample ID: A006994-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:31

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 15:46	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	79 %	41-142	0L23022	EPA 8260B	12/24/10 15:46	kat	
Dibromofluoromethane	43	1	50.0	87 %	53-146	0L23022	EPA 8260B	12/24/10 15:46	kat	
Toluene-d8	37	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 15:46	kat	

Description: SW3

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-06

Sampled: 12/20/10 14:31

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	33		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:43	KGonz	
Total Dissolved Solids [ECL-0156] ^	120		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	3.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW3

Lab Sample ID: A006994-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:31

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:34	ACV	



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Description: SW3

Lab Sample ID: A006994-06

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:31

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:51	GMB	

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Description: SW1

Lab Sample ID: A006994-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:45

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 16:17	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 16:17	kat	
Dibromofluoromethane	43	1	50.0	86 %	53-146	0L23022	EPA 8260B	12/24/10 16:17	kat	
Toluene-d8	37	1	50.0	74 %	41-146	0L23022	EPA 8260B	12/24/10 16:17	kat	



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Description: SW1

Lab Sample ID: A006994-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:45

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E80182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	39		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	24		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:46	KGonz	
Total Dissolved Solids [ECL-0156] ^	120		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	2.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



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Description: SW1

Lab Sample ID: A006994-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:45

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:41	ACV	



Description: SW1

Lab Sample ID: A006994-07

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 14:45

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 09:58	GMB	

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Description: SW2

Lab Sample ID: A006994-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:07

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 23:17	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	89 %	41-142	0L26001	EPA 8260B	12/26/10 23:17	kat	
Dibromofluoromethane	39	1	50.0	79 %	53-146	0L26001	EPA 8260B	12/26/10 23:17	kat	
Toluene-d8	45	1	50.0	89 %	41-146	0L26001	EPA 8260B	12/26/10 23:17	kat	

Description: SW2

Lab Sample ID: A006994-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:07

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	37		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO3 [471-34-1] ^	23		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:47	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	2.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	

Description: SW2

Lab Sample ID: A006994-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:07

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:43	ACV	



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Description: SW2

Lab Sample ID: A006994-08

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:07

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte (NELAC E82277)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:01	GMB	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: Dup

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-09

Sampled: 12/20/10 15:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L26001	EPA 8260B	12/26/10 23:47	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	41-142	0L26001	EPA 8260B	12/26/10 23:47	kat	
Dibromofluoromethane	41	1	50.0	82 %	53-146	0L26001	EPA 8260B	12/26/10 23:47	kat	
Toluene-d8	43	1	50.0	86 %	41-146	0L26001	EPA 8260B	12/26/10 23:47	kat	

Description: Dup

Matrix: Surface Water

Project: Deland NPL Site - SWS (Lake Talmadge)

Lab Sample ID: A006994-09

Sampled: 12/20/10 15:30

Sampled By: John Munsch

Received: 12/22/10 09:45

Work Order: A006994

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte (NELAC E83182)

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hardness [ECL-0028] ^	39		mg/L	1	2.0	2.0	0L23015	SM18 2340 C	12/23/10 17:34	CAS	
Total Alkalinity as CaCO ₃ [471-34-1] ^	25		mg/L	1	1.7	10	0L30002	EPA 310.2	12/30/10 09:48	KGonz	
Total Dissolved Solids [ECL-0156] ^	130		mg/L	1	10	10	0L22020	SM18 2540C	12/23/10 10:09	AH	
Total Suspended Solids [ECL-0169] ^	4.0		mg/L	1	2.0	2.0	0L23021	SM18 2540D	12/24/10 12:20	RMM	



Description: Dup

Lab Sample ID: A006994-09

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L23016	EPA 6010C	12/27/10 11:46	ACV	



Description: Dup

Lab Sample ID: A006994-09

Received: 12/22/10 09:45

Matrix: Surface Water

Sampled: 12/20/10 15:30

Work Order: A006994

Project: Deland NPL Site - SWs (Lake Talmadge)

Sampled By: John Munsch

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	0L27008	EPA 6010C	12/29/10 10:04	GMB	

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Description: TRIP BLANK

Matrix: Surface Water

Project: Deland NPL Site - SWs (Lake Talmadge)

Lab Sample ID: A006994-10

Sampled: 12/20/10 00:00

Sampled By: Enco

Received: 12/22/10 09:45

Work Order: A006994

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POI	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.40	U	ug/L	1	0.40	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.23	U	ug/L	1	0.23	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1,2-Trichloroethane [79-00-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1-Dichloroethane [75-34-3] ^	0.45	U	ug/L	1	0.45	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,1-Dichloroethene [75-35-4] ^	0.50	U	ug/L	1	0.50	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichlorobenzene [95-50-1] ^	0.32	U	ug/L	1	0.32	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichloroethane [107-06-2] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,2-Dichloropropane [78-87-5] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,3-Dichlorobenzene [541-73-1] ^	0.34	U	ug/L	1	0.34	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
1,4-Dichlorobenzene [106-46-7] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Acetone [67-64-1] ^	2.1	U	ug/L	1	2.1	5.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromodichloromethane [75-27-4] ^	0.31	U	ug/L	1	0.31	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Bromomethane [74-83-9] ^	0.63	U	ug/L	1	0.63	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Carbon tetrachloride [56-23-5] ^	0.51	U	ug/L	1	0.51	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chlorobenzene [108-90-7] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloroethane [75-00-3] ^	0.66	U	ug/L	1	0.66	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloroform [67-66-3] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Chloromethane [74-87-3] ^	0.53	U	ug/L	1	0.53	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
cis-1,2-Dichloroethene [156-59-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
cis-1,3-Dichloropropene [10061-01-5] ^	0.30	U	ug/L	1	0.30	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dibromochloromethane [124-48-1] ^	0.24	U	ug/L	1	0.24	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dichlorodifluoromethane [75-71-8] ^	0.75	U	ug/L	1	0.75	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Methylene chloride [75-09-2] ^	0.41	U	ug/L	1	0.41	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Tetrachloroethene [127-18-4] ^	0.43	U	ug/L	1	0.43	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
trans-1,2-Dichloroethene [156-60-5] ^	0.47	U	ug/L	1	0.47	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
trans-1,3-Dichloropropene [10061-02-6] ^	0.37	U	ug/L	1	0.37	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Trichloroethene [79-01-6] ^	0.39	U	ug/L	1	0.39	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Trichlorofluoromethane [75-69-4] ^	0.57	U	ug/L	1	0.57	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	
Vinyl chloride [75-01-4] ^	0.48	U	ug/L	1	0.48	1.0	0L23022	EPA 8260B	12/24/10 12:33	kat	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	0L23022	EPA 8260B	12/24/10 12:33	kat	
Dibromofluoromethane	41	1	50.0	82 %	53-146	0L23022	EPA 8260B	12/24/10 12:33	kat	
Toluene-d8	36	1	50.0	73 %	41-146	0L23022	EPA 8260B	12/24/10 12:33	kat	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L23016 - EPA 3005A

Blank (0L23016-BLK1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1.30	U	10.0	ug/L							

LCS (0L23016-BS1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	486		10.0	ug/L	500		97	85-115			

Matrix Spike (0L23016-MS1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:17

Source: A006994-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	476		10.0	ug/L	500	1.30 U	95	80-120			

Matrix Spike Dup (0L23016-MSD1)

Prepared: 12/23/2010 14:59 Analyzed: 12/27/2010 11:19

Source: A006994-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	485		10.0	ug/L	500	1.30 U	97	80-120	2	30	

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L27008 - EPA 3005A

Blank (0L27008-BLK1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1.30	U	10.0	ug/L							

LCS (0L27008-BS1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	496		10.0	ug/L	500		99	85-115			

Matrix Spike (0L27008-MS1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:35

Source: A006994-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	500		10.0	ug/L	500	1.30 U	100	80-120			

Matrix Spike Dup (0L27008-MSD1)

Prepared: 12/27/2010 12:45 Analyzed: 12/29/2010 09:36

Source: A006994-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	502		10.0	ug/L	500	1.30 U	100	80-120	0.3	30	

QUALITY CONTROL

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23022 - EPA 50308_MS

Blank (0L23022-BLK1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		80	41-142			
Surrogate: Dibromofluoromethane	40			ug/L	50.0		79	53-146			
Surrogate: Toluene-d8	38			ug/L	50.0		76	41-146			

LCS (0L23022-BS1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 05:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		95	65-144			
Chlorobenzene	16		1.0	ug/L	20.0		82	77-127			
Trichloroethene	19		1.0	ug/L	20.0		94	83-133			
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		84	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		78	41-146			

Matrix Spike (0L23022-MS1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:43

Source: A006605-01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L23022 - EPA 50308_MS

Matrix Spike (0L23022-MS1) Continued

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 06:43

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.50 U	84	65-144			
Chlorobenzene	15		1.0	ug/L	20.0	0.37 U	76	77-127			QM-07
Trichloroethene	17		1.0	ug/L	20.0	0.39 U	85	83-133			
Surrogate: 4-Bromofluorobenzene	40			ug/L	50.0		81	41-142			
Surrogate: Dibromofluoromethane	39			ug/L	50.0		79	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		79	41-146			

Matrix Spike Dup (0L23022-MSD1)

Prepared: 12/23/2010 12:00 Analyzed: 12/24/2010 07:14

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.50 U	93	65-144	10	16	
Chlorobenzene	16		1.0	ug/L	20.0	0.37 U	82	77-127	8	13	
Trichloroethene	18		1.0	ug/L	20.0	0.39 U	88	83-133	3	20	
Surrogate: 4-Bromofluorobenzene	42			ug/L	50.0		84	41-142			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	53-146			
Surrogate: Toluene-d8	39			ug/L	50.0		79	41-146			

Batch 0L26001 - EPA 50308_MS

Blank (0L26001-BLK1)

Prepared: 12/26/2010 12:00 Analyzed: 12/26/2010 14:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.40	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.23	U	1.0	ug/L							
1,1,2-Trichloroethane	0.34	U	1.0	ug/L							
1,1-Dichloroethane	0.45	U	1.0	ug/L							
1,1-Dichloroethene	0.50	U	1.0	ug/L							
1,2-Dichlorobenzene	0.32	U	1.0	ug/L							
1,2-Dichloroethane	0.34	U	1.0	ug/L							
1,2-Dichloropropane	0.34	U	1.0	ug/L							
1,3-Dichlorobenzene	0.34	U	1.0	ug/L							
1,4-Dichlorobenzene	0.41	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	0.39	U	1.0	ug/L							
Acetone	2.1	U	5.0	ug/L							
Bromodichloromethane	0.31	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.63	U	1.0	ug/L							
Carbon tetrachloride	0.51	U	1.0	ug/L							
Chlorobenzene	0.37	U	1.0	ug/L							
Chloroethane	0.66	U	1.0	ug/L							
Chloroform	0.37	U	1.0	ug/L							
Chloromethane	0.53	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.41	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.30	U	1.0	ug/L							
Dibromochloromethane	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0L26001 - EPA 50308_MS

Blank (0L26001-BLK1) Continued

Prepared: 12/26/2010 12:00 Analyzed: 12/26/2010 14:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	0.75	U	1.0	ug/L							
Methylene chloride	0.41	U	1.0	ug/L							
Tetrachloroethene	0.43	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.47	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.37	U	1.0	ug/L							
Trichloroethene	0.39	U	1.0	ug/L							
Trichlorofluoromethane	0.57	U	1.0	ug/L							
Vinyl chloride	0.48	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		71	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		87	41-146			

LCS (0L26001-BS1)

Prepared: 12/26/2010 12:00 Analyzed: 12/26/2010 13:49

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		123	65-144			
Chlorobenzene	20		1.0	ug/L	20.0		101	77-127			
Trichloroethene	22		1.0	ug/L	20.0		110	83-133			
Surrogate: 4-Bromofluorobenzene	51			ug/L	50.0		103	41-142			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		86	53-146			
Surrogate: Toluene-d8	55			ug/L	50.0		109	41-146			

Matrix Spike (0L26001-MS1)

Prepared: 12/26/2010 13:50 Analyzed: 12/26/2010 14:48

Source: A007039-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.50 U	128	65-144			
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	112	77-127			
Trichloroethene	23		1.0	ug/L	20.0	0.83	111	83-133			
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		92	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		72	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Matrix Spike Dup (0L26001-MSD1)

Prepared: 12/26/2010 13:50 Analyzed: 12/26/2010 15:18

Source: A007039-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.50 U	127	65-144	0.7	16	
Chlorobenzene	22		1.0	ug/L	20.0	0.37 U	111	77-127	1	13	
Trichloroethene	23		1.0	ug/L	20.0	0.83	111	83-133	0.7	20	
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	41-142			
Surrogate: Dibromofluoromethane	37			ug/L	50.0		75	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Classical Chemistry Parameters - Quality Control

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L22020 - NO PREP

Blank (0L22020-BLK1)

Prepared: 12/22/2010 15:30 Analyzed: 12/23/2010 10:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (0L22020-BS1)

Prepared: 12/22/2010 15:30 Analyzed: 12/23/2010 10:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	280		10	mg/L	300		94	88-111			

Duplicate (0L22020-DUP1)

Prepared: 12/22/2010 15:30 Analyzed: 12/23/2010 10:09

Source: A006362-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	600		10	mg/L		570			4	10	

Batch 0L23015 - NO PREP

Blank (0L23015-BLK1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	2.0	U	2.0	mg/L							

LCS (0L23015-BS1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	200		2.0	mg/L	200		102	90-110			

Matrix Spike (0L23015-MS1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	180		2.0	mg/L	167	29	92	90-110			

Matrix Spike Dup (0L23015-MSD1)

Prepared: 12/23/2010 10:33 Analyzed: 12/23/2010 17:34

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hardness	190		2.0	mg/L	167	29	94	90-110	2	10	

Batch 0L23021 - NO PREP

Blank (0L23021-BLK1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	2.0	U	2.0	mg/L							

LCS (0L23021-BS1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0L23021 - NO PREP

LCS (0L23021-BS1) Continued

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	87		2.0	mg/L	80.0		109	90-119			

Duplicate (0L23021-DUP1)

Prepared: 12/23/2010 11:58 Analyzed: 12/24/2010 12:20

Source: A006137-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	25		2.0	mg/L		26			4	10	

Batch 0L30002 - NO PREP

Blank (0L30002-BLK1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	1.7	U	10	mg/L							

LCS (0L30002-BS1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	260		10	mg/L	250		105	90-110			

Matrix Spike (0L30002-MS1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:25

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	290		10	mg/L	250	21	106	90-110			

Matrix Spike Dup (0L30002-MSD1)

Prepared: 12/30/2010 08:14 Analyzed: 12/30/2010 09:26

Source: A006605-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	280		10	mg/L	250	21	106	90-110	0.6	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.



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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Page ____ of ____

Client Name Universal Engineering Sciences (UN001)		Project Number [none]		Requested Analyses						Requested Turnaround Times	
Address 3532 Maggie Blvd.		Project Name/Desc Deland NPL Site - SWs		8260B Halo	8260B Extended (Acetone)	AIK310.2	Cr	Cr/F (Lab Filter)	Hardness SM2340C	TDS SM2540C, TSS SM2540D	Note: Rush requests subject to acceptance by the facility
City/State Orlando, FL 32811		PO # / Billing Info									
Tel (407) 423-0504		Fax (407) 423-2108									
Reporting Contact Mike Geden		Billing Contact Mike Geden									
Sampler(s) Name, Affiliation (Print) <i>Michael M. Muesch, JES.</i>		Site Location / Time Zone LK TALMADGE								Standard	
Sampler(s) Signature <i>[Signature]</i>										Expedited	
										Due ____/____/____	
										Lab Workorder A006665	

							Preservation (See Codes) (Continue as necessary)								A006994
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Conts / Grab	Matrix (see codes)	Total # of Containers	HI	HI	I	N	-	N	I	Sample Comments	
	SW7	12/16/10	1:30	G	SW	2	X	X	X	X	X	X	X		
	SW6	12/20/10	1:01			2	X	X	X	X	X	X	X		
	SW8		1:23			2	X	X	X	X	X	X	X		
	SW5		1:46			2	X	X	X	X	X	X	X		
	SW4		2:06			2	X	X	X	X	X	X	X		
	SW3		2:31			2	X	X	X	X	X	X	X		
	SW1		2:45			2	X	X	X	X	X	X	X		
	SW2		3:02			2	X	X	X	X	X	X	X		
	DUP:		3:30			2	X	X	X	X	X	X	X		
	TOP BLANK					2	X	X	X	X	X	X	X		

Sample Kit Prepared By <i>[Signature]</i>	Date/Time 12/16/10 1:30	Relinquished By <i>[Signature]</i>	Date/Time 12/16/10 6:50	Relinquished By <i>[Signature]</i>	Date/Time 12/20/10 2:00
Comments/Special Reporting Requirements		Relinquished By <i>[Signature]</i>	Date/Time 12/22/10 6:50	Relinquished By <i>[Signature]</i>	Date/Time 12/22/10 09:45
Cooler #s & Temps on Receipt C-1115 1°C		Condition Upon Receipt Acceptable		Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions stated on the reverse of this form, unless prior written agreements exist.