

APPENDIX A
Well Gauging, Purging, and Sampling Records
July 2011 Sentry Event

WELL GAUGING DATA

Project # 110711-SP1 Date 7-11-11 Client Parsons

Site DFSP Norwalk

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB, or <u>TOC</u>	Notes
Exp-1	0733	4					53.51	128.78		7-11-11
EXP-2	0822	4					53.94	128.29		
EXP-3	0906	4					52.57	123.14		Sting
GMW-57	0954	4					28.43	53.40		
GMW-63	1032	4					28.98	40.27		Sting
GMW-64	1107	4					27.11	40.15		sting
GMW-65	1145	4					28.44	40.61		
GMW-62	1217	4		29.75	0.25		28.00	—		sting
MW-14	1231	4					30.90	51.92		Sting
MW-22(m10)	1309	4					33.13	57.71		Sting
GMW-58 GMW-58	1347	4					26.46	54.31		↓
GMW-61 GMW-61	0741	4					27.14	49.51		7-12-11 Sting
GMW-47	0817	4					27.69	50.26		Sting
GMW-59	0854	4					25.13	54.30		Sting
GMW-60	0933	4					27.78	39.92		Sting ↓

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: EXP-1	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 128.78	Depth to Water (ft.): 53.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0742 Flow Rate: 200ml/min. Pump Depth: 102'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0745	21.78	7.48	1108	6	2.55	-148.6	600	53.53
0748	21.72	7.49	1086	5	1.50	-147.8	1200	53.53
0751	21.70	7.50	1061	5	1.23	-138.4	1800	53.53
0754	21.70	7.51	1053	4	1.16	-135.3	2400	53.53
0757	21.68	7.51	1050	3	1.13	-130.8	3000	53.53
0800	21.68	7.52	1048	2	1.12	-128.2	3600	53.53

Did well dewater? Yes No Amount actually evacuated: 3600ml

Sampling Time: 0801 Sampling Date: 7-11-11

Sample I.D.: EXP-1 Laboratory: CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See LOC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: EX1-2	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): 128.29	Depth to Water (ft.): 53.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0828 Flow Rate: 200 mL/min. Pump Depth: 105'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
0831	21.88	7.56	1577	8	2.56	-177.5	600	53.97
0834	21.74	7.50	1654	6	1.39	-167.2	1200	53.97
0837	21.66	7.49	1683	6	1.07	-162.1	1800	53.97
0840	21.65	7.47	1692	5	0.93	-156.3	2400	53.97
0843	21.62	7.46	1694	4	0.94	-153.4	3000	53.97
0846	21.61	7.46	1692	2	0.90	-150.8	3600	53.97

Did well dewater? Yes <input type="checkbox"/> <u>No</u> <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3600 mL</u>
Sampling Time: <u>0847</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>EXP-2</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See COC</u>
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SPI	Client: Parsons
Sampler: SP	Gauging Date: 7-12-11
Well I.D.: EXP-3	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 123.14	Depth to Water (ft.): 52.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0706 Flow Rate: 200ml/min Pump Depth: 100'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0709	21.79	7.06	1028	5	2.52	-123.7	600	52.56
0712	21.68	7.00	1034	4	1.30	-113.3	1200	52.56
0715	21.63	7.01	1050	4	1.04	-101.4	1800	52.56
0718	21.61	7.03	1059	3	0.94	-89.8	2400	52.56
0721	21.60	7.05	1062	2	0.90	-85.9	3000	52.56
0724	21.59	7.04	1068	2	0.88	-83.6	3600	52.56

Did well dewater? Yes No Amount actually evacuated: 3600ml
 Sampling Time: 0725 Sampling Date: 7-12-11
 Sample I.D.: EXP-3 Laboratory: CalSci Inc
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
 Equipment Blank I.D.: @ _____ Time _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parson
Sampler: SP	Gauging Date: 7-12-11
Well I.D.: GMW-47	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 50.26	Depth to Water (ft.): 27.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0829 Flow Rate: _____ Pump Depth: 39'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0827	22.24	6.66	2191	10	2.08	-163.9	600	27.73
0830	22.40	6.66	2234	10	1.24	-188.4	1200	27.73
0833	22.52	6.65	2265	9	0.92	-204.0	1800	27.73
0836	22.53	6.64	2282	9	0.86	-211.3	2400	27.73
0839	22.54	6.63	2289	8	0.82	-214.6	3000	27.73
0842	22.54	6.63	2292	9	0.80	-218.3	3600	27.73

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3600 mL
Sampling Time: 0843	Sampling Date: 7-12-11
Sample I.D.: GMW-47	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Cap
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: GMW-57	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 53.40	Depth to Water (ft.): 28.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0958 Flow Rate: 200 mL/min. Pump Depth: 41'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1001	23.14	7.62	1232	9	1.34	-187.5	600	28.46
1004	23.04	7.60	1235	7	0.83	-201.9	1200	28.46
1007	23.05	7.57	1236	7	0.72	-205.6	1800	28.46
1010	22.94	7.53	1237	6	0.74	-208.4	2400	28.46
1013	23.00	7.50	1236	5	0.78	-211.9	3000	28.46
1016	23.02	7.49	1238	5	0.75	-213.6	3600	28.46

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>3600 mL</u>
Sampling Time: <u>1017</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>GMW-57</u>	Laboratory: <u>CalScience</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See COC</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SPI	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: GMW-58	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 54.31	Depth to Water (ft.): 26.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1353 Flow Rate: 200 mL/min Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
1356	24.71	7.36	1207	10	1.27	-111.9	600	26.49
1359	24.27	7.28	1200	8	0.83	-117.6	1200	26.49
1402	24.13	7.24	1196	6	0.75	-114.8	1800	26.49
1405	24.11	7.23	1190	5	0.72	-122.6	2400	26.49
1408	24.10	7.22	1189	3	0.69	-118.0	3000	26.49
1411	24.12	7.22	1184	2	0.71	-121.7	3600	26.49

Did well dewater? Yes No Amount actually evacuated: 3600 mL
 Sampling Time: 1412 Sampling Date: 7-11-11
 Sample I.D.: GMW-58 Laboratory: CalScience
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
 Equipment Blank I.D.: @ Time Duplicate I.D.: GMW-58dup

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: <u>Parsons</u>
Sampler: <u>SP</u>	Gauging Date: <u>7-12-11</u>
Well I.D.: <u>GMW-59</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>54.30</u>	Depth to Water (ft.): <u>25.13</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	Flow Cell Type: <u>SS6</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0901 Flow Rate: 200ml/min. Pump Depth: 39.5'

Time	Temp. (C or F)	pH	Cond. (mS/cm or <u>μS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
0904	22.72	6.80	1384	16	1.44	-202.8	600	25.16
0907	22.55	6.76	1394	13	0.91	-225.9	1200	25.16
0910	22.47	6.73	1399	11	0.75	-244.3	1800	25.16
0913	22.41	6.71	1402	10	0.57	-247.5	2400	25.16
0916	22.42	6.70	1400	10	0.57	-249.8	3000	25.16
0919	22.41	6.70	1398	9	0.54	-252.4	3600	25.16

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3600ml</u>
Sampling Time: <u>0920</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>GMW-59</u>	Laboratory: <u>CalSeve</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See POC</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: <u>GMW-59dup</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SF1	Client: Parsons
Sampler: SP	Gauging Date: 7-12-11
Well I.D.: Gmw-60	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 39.92	Depth to Water (ft.): 27.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0939 Flow Rate: 200ml/min Pump Depth: 34'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0942	22.52	6.90	2383	12	1.10	-146.0	600	27.81
0945	22.45	6.86	2402	11	0.81	-181.5	1200	27.81
0948	22.43	6.85	2420	9	0.63	-174.4	1800	27.81
0951	22.41	6.83	2441	8	0.64	-181.0	2400	27.81
0954	22.40	6.81	2457	8	0.59	-184.7	3000	27.81
0957	22.43	6.80	2469	7	0.57	-189.0	3600	27.81

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 3600 mL
Sampling Time: 0958	Sampling Date: 7-12-11
Sample I.D.: Gmw-60	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SPI	Client: Parsons
Sampler: SY	Gauging Date: 7-12-11
Well I.D.: GMW-61	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 49.51	Depth to Water (ft.): 27.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 0747 Flow Rate: 200 mL/min. Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0750	22.15	7.12	2282	5	1.01	-215.7	600	27.17
0753	22.14	7.14	2297	4	0.89	-243.2	1200	27.17
0756	22.13	7.14	2307	4	0.78	-246.5	1800	27.17
0759	22.12	7.15	2317	4	0.84	-254.7	2400	27.17
0802	22.12	7.14	2326	4	0.81	-258.9	3000	27.17
0805	22.13	7.14	2331	3	0.79	-260.4	3600	27.17

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>3600 mL</u>
Sampling Time: <u>0806</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>GMW-61</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See 101</u>
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 10711-SPI	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: GMW-62	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): —	Depth to Water (ft.): 28.00
Depth to Free Product: 27.75	Thickness of Free Product (feet): 0.25
Referenced to: <u>PVC</u> Grade	Flow Cell Type: —

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: _____ Flow Rate: _____ Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
—	Detected		0.25'	SPH w/	Interface	Prob.		
—	No	Sample	taken	—				

Did well dewater? Yes No Amount actually evacuated: _____
 Sampling Time: _____ Sampling Date: _____
 Sample I.D.: _____ Laboratory: _____
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____
 Equipment Blank I.D.: _____ @ _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-5/1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: Gmw-63	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 40.27	Depth to Water (ft.): 28.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 1037 Flow Rate: 200 mL/min. Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1040	20.79	7.38	2141	15	4.54	-9.7	600	29.01
1043	20.44	7.22	2143	12	4.03	-4.1	1200	29.01
1046	20.50	7.09	2144	10	3.81	2.1	1800	29.01
1049	20.38	7.06	2149	8	3.90	10.9	2400	29.01
1052	20.43	7.08	2150	7	3.88	14.3	3000	29.01
1055	20.40	7.06	2151	7	3.84	19.0	3600	29.01

Did well dewater? Yes No Amount actually evacuated: 3600mL

Sampling Time: 1056 Sampling Date: 7-11-11

Sample I.D.: Gmw-63 Laboratory: CalSci, Inc.

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-5P1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: Gmw-64	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 40.15	Depth to Water (ft.): 27.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1113 Flow Rate: 200 mL/min. Pump Depth: 34'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1116	20.31	6.96	1963	7	2.69	43.0	600	27.14
1119	19.87	6.96	1950	8	2.41	39.9	1200	27.14
1122	19.85	6.98	1950	7	2.76	39.1	1800	27.14
1125	19.81	7.01	1949	6	2.73	38.3	2400	27.14
1128	19.79	7.02	1949	6	2.78	38.6	3000	27.14
1131	19.83	7.03	1947	5	2.75	38.9	3600	27.14

Did well dewater? Yes No Amount actually evacuated: 3600 mL

Sampling Time: 1132 Sampling Date: 7-11-11

Sample I.D.: Gmw-64 Laboratory: CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SPI	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: GMW-65	Well Diameter (in.): 2 3 ④ 6 8
Total Well Depth (ft.): 40.61	Depth to Water (ft.): 28.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1150 Flow Rate: 200 mL/min. Pump Depth: 34'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1153	22.23	7.09	2761	12	4.12	55.4	600	28.47
1156	21.65	7.02	2787	11	4.12	51.5	1200	28.47
1159	21.40	7.00	2786	11	4.16	52.5	1800	28.47
1202	21.44	7.02	2787	9	4.14	52.6	2400	28.47
1205	21.47	7.03	2791	9	4.17	51.7	3000	28.47
1208	21.42	7.05	2794	9	4.19	51.0	3600	28.47

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 3600 mL
Sampling Time: 1209	Sampling Date: 7-11-11
Sample I.D.: GMW-65	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Col
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-Sp1</u>	Client: <u>Parsons</u>
Sampler: <u>SF</u>	Gauging Date: <u>7-11-11</u>
Well I.D.: <u>MW-14</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8 _____
Total Well Depth (ft.): <u>51.92</u>	Depth to Water (ft.): <u>30.90</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 1236 Flow Rate: 200 mL/min. Pump Depth: 39.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1239	24.41	7.08	1481	10	1.56	-101.2	600	30.94
1242	23.62	7.04	1471	8	0.75	-114.7	1200	30.94
1245	23.48	7.03	1470	7	0.72	-124.5	1800	30.94
1248	23.49	7.01	1468	7	0.70	-127.9	2400	30.94
1251	23.49	7.01	1465	6	0.67	-127.7	3000	30.94
1254	23.47	7.01	1462	5	0.65	-125.8	3600	30.94

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>3600mL</u>
Sampling Time: <u>1255</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>MW-14</u>	Laboratory: <u>CalScience</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See COC</u>
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: MV-22(M10)	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 57.71	Depth to Water (ft.): 33.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1314 Flow Rate: 200ml/min. Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
1317	23.49	7.30	1968	5	1.61	-112.9	600	33.16
1320	23.05	7.26	1988	4	1.13	-116.3	1200	33.16
1323	23.01	7.23	1996	4	1.16	-112.7	1800	33.16
1326	22.98	7.23	1989	3	1.25	-108.4	2400	33.16
1329	22.99	7.22	1976	2	1.30	-104.9	3000	33.16
1332	22.99	7.21	1969	2	1.32	-101.8	3600	33.16

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3600ml
Sampling Time: 1333	Sampling Date: 7-11-11
Sample I.D.: MV-22(M10)	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

1872

DHS #

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

BLAINE
TECH SERVICES, INC.

LAB: Calscience PM: Ranjit Clark

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER
- RWQCB REGION

CHAIN OF CUSTODY

CLIENT: Parsons

SITE: Norwalk GWM

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)

100 W Walnut St., Pasadena, CA 91124 (626) 440-6032
Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX W = H2O S = Soil	CONTAINERS TOTAL	CONDUCT ANALYSIS TO DETECT			STATUS	CONDITION	LAB SAMPLE #
					VOC's (including BTEX, MTBE, TBA, EPA 8260)	TFH as JP5 (8015)	TFHg (8015)			
Exp-1	7-11-11	0801	W	10	X	X	X			
Exp-2		0847		10	X	X	X			
Exp-3		0951		10	X	X	X			
GMW-57		1017		7	X	X	X			
GMW-58		1412		7	X	X	X			
GMW-63		1056		7	X	X	X			
GMW-64		1132		7	X	X	X			
GMW-65		1209		7	X	X	X			
MW-14		1255		7	X	X	X			
MW-22(M10)		1333		7	X	X	X			

RESULTS NEEDED
NO LATER THAN

Standard

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
JJ Patel	7-11-11	1430			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT	Parsons
SITE	Norwalk GWM

SAMPLE I.D.	DATE	TIME	CONTAINERS	
			MATRIX	TOTAL
TB-1	7-11-11	0630	W	3
GWM-58dup	↓	—	↓	4

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	7-11-11	1430	Swati Patel
RELEASED BY	DATE	TIME	RECEIVED BY
			Swati Patel
RELEASED BY	DATE	TIME	RECEIVED BY
RELEASED BY	DATE	TIME	RECEIVED BY
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

LAB: Calscience PM: Ranjit Clark
 MUST MEET SPECIFICATIONS
 EPA
 LIA
 OTHER
 RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to:
 Parsons - Mary Lucas (mary.lucas@parsons.com)
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032
 Project # 746442

CONDUCT ANALYSIS TO DETECT	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
VOC's (including BTEX, MTBE, TBA, EPA 8260)		X		
TFH as JP5 (8015)		X		
TFHg (8015)				

RESULTS NEEDED NO LATER THAN: Standard

DATE: 7-11-11 TIME: 1530 RECEIVED BY: [Signature]

DATE: [] TIME: [] RECEIVED BY: []

DATE: [] TIME: [] RECEIVED BY: []

DATE SENT: [] TIME SENT: [] COOLER #: []

BLAINE

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

LAB: Calscience PM: Ranjit Clark

DHS #

TECH SERVICES, INC.

MUST MEET SPECIFICATIONS

- EPA
- LIA
- OTHER
- RWQCB REGION

CHAIN OF CUSTODY

CLIENT Parsons

SITE Norwalk GWM

SPECIAL INSTRUCTIONS

Invoice and Report to:

Parsons - Mary Lucas (mary.lucas@parsons.com)
 100 W Walnut St., Pasadena, CA 91124 (626) 440-6032
 Project # 746442

SAMPLE I.D.	DATE	TIME	MATRIX		TOTAL	CONTAINERS	CONDUCT ANALYSIS TO DETECT				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			5" H ₂ O	5" M			VOCs (including BTEX, MTBE, TBA, EPA 8260)	TPH as JP5 (8015)	TPHg (8015)	Other				
EXP-3	7-12-11	0725	W		10	VOAs, Amber	X	X		X				
GMW-47		0843			7		X	X						
GMW-59		0920			10		X	X						
GMW-60		0958			10		X	X						
GMW-61		0806			10	↓	X	X						
TB-2		0630			3	VOAs	X							
GMW-59 dup	↓	—	↓		4	VOAs, Amber	X	X						

SAMPLING COMPLETED DATE 7-12-11 TIME 1010 SAMPLING PERFORMED BY Sunit Patel

RECEIVED BY Nicole (Sample Custodian) DATE 7-12-11 TIME 1530

RECEIVED BY Alex Muegg DATE 7/12/11 TIME 1610

RECEIVED BY [Signature] DATE [Signature] TIME [Signature]

RESULTS NEEDED NO LATER THAN Standard

SHIPPED VIA _____ DATE SENT _____ TIME SENT _____ COOLER # _____

WELLHEAD INSPECTION CHECKLIST

Client Parsons Date 7-11-11

Site Address DFSP Newark

Job Number 110711-321 Technician SP

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
Exp-1	x		Stand Pipe							
Exp-2	x		Stand pipe							
Exp-3	x		Stand Pipe							
GMW-57		x	x	(2 of 2 bolts missing)						
GMW-63	x	x	x							
GMW-64	x	x	x							
GMW-65	x	x	x							
GMW-62	x	x	x							
MW-14	x		Stand Pipe							
MW-22(MID)	x		Stand Pipe							
GMW-58			Vault	(4 of 4 bolts missing)						
GMW-61	x	x	x							
GMW-47		x	x	(2 of 2 bolts missing)						
GMW-59			Vault	(4 of 4 bolts missing)						
GMW-60	x	x	x							

NOTES: _____

DFSP Norwalk Quarterly GWM -July 2011
Gauging Data

Page _____ of _____

Well No.	Date	Time	DTP	DTW	Notes
EXP-1	07.07.11	1519	Sheen	53.65	
EXP-2	07.07.11	1111	-	54.18	
EXP-3	07.08.11	1250	-	52.73	
GMW-5	07.07.11	1324	-	29.76	
GMW-6	07.07.11	1337	-	29.16	
GMW-12	07.08.11	0909	-	26.57	
GMW-15	07.07.11	1330	Sheen	28.05	
GMW-16	07.07.11	1319	-	29.04	
GMW-17	07.08.11	1017	-	25.50	
GMW-19	07.08.11	1415	-	-	NOT ABLE TO LOCATE
GMW-21	07.07.11	1256	-	27.95	@ CAGE IN WELL
GMW-31	07.08.11	1210	-	28.34	
GMW-32	07.08.11	0837	-	-	Bees IN WELL
GMW-33	07.08.11	0723	-	-	CASING IS DAMAGED
GMW-41	07.08.11	1304	-	26.01	
GMW-43	07.08.11	0918	Sheen	26.10	
GMW-44	07.08.11	1411	-	-	NOT ABLE TO LOCATE
GMW-45	07.07.11	1406	-	27.63	
GMW-47	07.07.11	1421	-	27.83	
GMW-48	07.07.11	1530	-	25.89	
GMW-56	07.07.11	1400	-	28.45	
GMW-57	07.07.11	1426	-	28.53	
GMW-58	07.08.11	1321	-	26.46	
GMW-59	07.07.11	1524	Sheen	25.69	

**DFSP Norwalk Quarterly GWM -July 2011
Gauging Data**

Page _____ of _____

Well No.	Date	Time	DTP	DTW	Notes
MW-22 (Mid)	07.08.11	1148	-	33.34	
MW-23 (Mid)	07.07.11	1302	-	31.62	
MW-24	07.07.11	1120	-	31.03	
MW-25	07.08.11	1145	-	31.55	
MW-26	07.08.11	1155	-	29.48	
MW-27	07.08.11	1201	-	30.03	
MW-29	07.08.11	0843	-	30.65	
PO-7	07.08.11	1349	-	-	NO ACCESS
PZ-3	07.08.11	1054	-	27.85	
TF-8	07.08.11	1035	-	26.66	
TF-9	07.08.11	1626	-	26.03	
TF-10	07.08.11	1005	-	25.15	
TF-11	07.08.11	1013	-	25.40	
TF-13	07.08.11	0933	-	27.13	
TF-14	07.08.11	0954	-	25.93	
TF-15	07.08.11	0947	-	26.33	
TF-16	07.08.11	0940	-	27.51	
TF-17	07.08.11	0815	-	26.40	CAGE IN WELL
TF-18	07.08.11	0852	25.30	25.40	
TF-19	07.08.11	0859	-	26.37	
TF-20	07.08.11	0729	-	27.45	
TF-21	07.08.11	1239	-	26.59	
TF-22	07.08.11	0743	-	26.30	
TF-23	07.08.11	0751	-	26.76	

DFSP Norwalk Quarterly GWM -July 2011
Gauging Data

Page _____ of _____

Well No.	Date	Time	DTP	DTW	Notes
GMW-60	07-07-11	1451	-	28.02	
GMW-61	07-07-11	1507	-	27.23	
GMW-62	07-07-11	1026	28.03	28.14	
GMW-63	07-07-11	1006	-	29.13	
GMW-64	07-07-11	1012	-	27.21	
GMW-65	07-07-11	1017	-	28.63	
GMW-66	07-07-11	1431	-	28.96	
GW-1	07-07-11	1045	-	28.45	
GW-2	07-07-11	1105	-	28.25	
GW-3	07-08-11	1339	-	28.36	
GW-4	07-08-11	1330	-	-	CASING HAS HOSE ATTACHED
GW-5	07-07-11	1235	-	29.24	
GW-6	07-07-11	1240	28.51	28.52	
GW-7	07-08-11	1043	-	27.00	
GW-8	07-07-11	1136	SHOEN	28.41	
GW-13	07-07-11	1055	-	29.45	
GW-14	07-08-11 07-07-11 mg	0820 1050 mg	-	28.31 27.13 mg	DTW-28.31
GW-15	07-07-11	1459	27.57	27.61	
GW-16	07-07-11	1445	-	28.96	
MW-10	07-07-11	1130	-	31.37	
MW-13	07-07-11	1415	-	30.19	
MW-14	07-07-11	1050	-	31.13	
MW-16	07-08-11	0825	SHOEN	28.34	
MW-17	07-07-11	1513	SHOEN	29.49	

WELL GAUGING DATA

Project # 110711-AW1 Date 7-11-11 Client KEMP

Site Kinder Morgan Norwalk

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
EXP-1	4					53.51	128.78		0700
EXP-2	4					53.94	128.29		0705
EXP-3	4					52.54	123.14		0710
EXP-5	4					47.42	113.52		0715
WCW-13	4					30.24	59.49		0721
GMW-O-1	4					22.88	49.22		0727
GMW-O-3	4					23.80 ³⁶	48.22		0731
GMW-O-19	4					25.42	40.05		0805
WCW-3	4					28.57	50.60		0736
GMW-38	4					26.83	53.22		0810
WCW-7	4					28.74	51.53		0740
GMW-O-2	4					23.80	49.34		0745 0815
GMW-O-16	4					26.00	48.92		0815
GMW-39	4					26.55	50.72		0820
MW-SF-1	6	Odor				29.84	51.11		0827
PZ-5	4					25.47	38.05		0901
MW-SF-4	4	Odor				30.35	44.51		0830

WELL GAUGING DATA

Project # 110711-A21 Date 7-11-11 Client KEMP

Site Kinder Morgan Norwalk

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-O-14	4					24.77	53.02		0923
GMW-O-18	Ext Pump Running in well								
GMW-O-15			↓			↓		↓	
GMW-36									

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SP1	Client: Parsons
Sampler: 8	Gauging Date: 7-11-11
Well I.D.: EXP-1	Well Diameter (in.): 2 3 4 6 8 _____
Total Well Depth (ft.): 128.78	Depth to Water (ft.): 53.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 0742 Flow Rate: 200 mL/min Pump Depth: 102'

Time	Temp. (C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0745	21.78	7.48	1108	6	2.55	-148.6	600	53.53
0748	21.72	7.49	1086	5	1.50	-147.8	1200	53.53
0751	21.70	7.50	1061	5	1.23	-138.4	1800	53.53
0754	21.70	7.51	1053	4	1.16	-135.3	2400	53.53
0757	21.68	7.51	1050	3	1.13	-130.8	3000	53.53
0800	21.68	7.52	1048	2	1.12	-128.2	3600	53.53

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 3600 mL
Sampling Time: 0801	Sampling Date: 7-11-11
Sample I.D.: EXP-1	Laboratory: CalSci Inc
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See LOC
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-SPI	Client: Parsons
Sampler: SP	Gauging Date: 7-11-11
Well I.D.: EX1-2	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 128.29	Depth to Water (ft.): 53.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump	Peristaltic Pump	Bladder Pump
Sampling Method: Dedicated Tubing	New Tubing	Other

Start Purge Time: 0828 Flow Rate: 200 mL/min Pump Depth: 105'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0831	21.88	7.56	1577	8	2.56	-177.5	600	53.97
0834	21.74	7.50	1654	6	1.39	-167.2	1200	53.97
0837	21.66	7.49	1683	6	1.07	-162.1	1800	53.97
0840	21.65	7.47	1692	5	0.93	-156.3	2400	53.97
0843	21.62	7.46	1694	4	0.94	-153.4	3000	53.97
0846	21.61	7.46	1692	2	0.90	-150.8	3600	53.97

Did well dewater? Yes No Amount actually evacuated: 3600 L

Sampling Time: 0847 Sampling Date: 7-11-11

Sample I.D.: EX1-2 Laboratory: CalSci Inc

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See LOC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-3P1	Client: Parsons
Sampler: S0	Gauging Date: 7-12-11
Well I.D.: EX-3	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): 123.14	Depth to Water (ft.): 52.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0706 Flow Rate: 200ml/min Pump Depth: 100'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to Water (ft.)
0709	21.79	7.06	1028	5	2.52	-123.7	600	52.56
0712	21.68	7.00	1034	4	1.30	-113.3	1200	52.56
0715	21.63	7.01	1050	4	1.04	-101.4	1800	52.56
0718	21.61	7.03	1059	3	0.94	-89.8	2400	52.56
0721	21.60	7.05	1062	2	0.90	-85.9	3000	52.56
0724	21.59	7.04	1068	2	0.88	-83.6	3600	52.56

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3600ml
Sampling Time: 0725	Sampling Date: 7-12-11
Sample I.D.: EX-3	Laboratory: CalSci Inc
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Col
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>fw</u>	Start Date: <u>7-11-11</u>
Well I.D.: <u>EXP-5</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>113.52</u>	Depth to Water: Pre: <u>47.42</u> Post: <u>47.42</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1112 Flow Rate: 400 ml/min Pump Depth: 100'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1122	22.43	6.99	1023	4	0.42	-95.4	4000	47.45
1125	22.49	7.01	1047	4	0.39	-99.6	5200	47.45
1128	22.48	7.03	1082	4	0.38	-96.3	6400	47.45
1131	22.36	7.04	1100	4	0.32	-91.9	7600	47.45
1134	22.67	7.05	1112	4	0.29	-88.5	8800	47.45

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>8800</u>
Sampling Time: <u>1135</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>EXP-5</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>Oxy (5)</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: KMEP
Sampler: <u>AW</u>	Start Date: <u>7-11-11</u>
Well I.D.: <u>WCCW-13</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>59.49</u>	Depth to Water: Pre: ^{30.24} 30.31 Post: <u>30.48</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1213 Flow Rate: 400 ml/min Pump Depth: 55'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to water
1219	23.06	7.12	2222	83	0.54	-24.0	2400	30.51
1222	22.98	7.09	2238	58	0.52	-26.1	3600	30.51
1225	23.28	7.08	2238	50	0.47	-28.9	4800	30.52
1228	23.54	7.08	2241	45	0.43	-29.3	6000	30.52
1231	23.60	7.08	2242	42	0.41	-28.2	7200	30.52
1234	23.80	7.08	2240	40	0.38	-27.5	8400	30.52
1237	23.94	7.08	2241	39	0.38	-27.8	9600	30.52

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>9600</u>
Sampling Time: <u>1240</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>WCCW-13</u>	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE Other: <u>Oxy (5)</u>	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-11-11</u>
Well I.D.: <u>GMW-0-1</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>49.22</u>	Depth to Water: Pre: <u>22.88</u> Post: <u>29.2392</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1319 Flow Rate: 400 ml/min Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1324	24.03	6.76	3201	29	2.02	10.5	2000	23.00
1327	24.21	6.76	3226	29	2.03	8.7	3200	23.03
1330	24.32	6.75	3225	29	1.92	5.1	4400	23.04
1333	24.56	6.75	3224	29	1.93	5.2	5600	23.04

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>5600</u>
Sampling Time: <u>1335</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>GMW-0-1</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> <u>MTBE</u>	Other: <u>Oxy (5)</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-11-11</u>
Well I.D.: <u>GMW-0-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>48.22</u>	Depth to Water: Pre: <u>23.33</u> Post: <u>23.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1353 Flow Rate: 400 ml/min Pump Depth: 45'

Start purge to 200 ml/min to stabilize water level

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
<u>1358</u>	<u>24.04</u>	<u>6.89</u>	<u>2654</u>	<u>219</u>	<u>0.38</u>	<u>-35.9</u>	<u>5000</u>	<u>23.62</u>
<u>1401</u>	<u>24.46</u>	<u>6.86</u>	<u>2652</u>	<u>199</u>	<u>0.33</u>	<u>-40.9</u>	<u>5600</u>	<u>23.57</u>
<u>1404</u>	<u>24.97</u>	<u>6.88</u>	<u>2659</u>	<u>192</u>	<u>0.20</u>	<u>-44.9</u>	<u>6200</u>	<u>23.55</u>
<u>1407</u>	<u>25.10</u>	<u>6.89</u>	<u>2652</u>	<u>187</u>	<u>0.26</u>	<u>-48.3</u>	<u>6800</u>	<u>23.54</u>

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6800</u>
Sampling Time: <u>1410</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>GMW-0-3</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u> </u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-11-11</u>
Well I.D.: <u>GMW-0-19</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>40.05</u>	Depth to Water: Pre: <u>25.39</u> Post: <u>25.48</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1444 Flow Rate: 300 ml/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>1449</u>	<u>23.40</u>	<u>6.96</u>	<u>1578</u>	<u>3</u>	<u>0.71</u>	<u>-3.2</u>	<u>1500</u>	<u>25.58</u>
<u>1452</u>	<u>23.67</u>	<u>6.97</u>	<u>1571</u>	<u>3</u>	<u>0.35</u>	<u>-22.6</u>	<u>2400</u>	<u>25.58</u>
<u>1455</u>	<u>23.96</u>	<u>6.97</u>	<u>1565</u>	<u>3</u>	<u>0.34</u>	<u>-26.1</u>	<u>3300</u>	<u>25.58</u>
<u>1458</u>	<u>24.03</u>	<u>6.97</u>	<u>1567</u>	<u>3</u>	<u>0.36</u>	<u>-31.9</u>	<u>4200</u>	<u>25.58</u>

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>4200</u>
Sampling Time: <u>1500</u>	Sampling Date: <u>7-11-11</u>
Sample I.D.: <u>GMW-0-19</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>Bay</u>
Equipment Blank I.D.: <u>EB-1</u> @ Time <u>1435</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: KMEP
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>WCW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>50.60</u>	Depth to Water: Pre: <u>28.50</u> Post: <u>28.55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0702 Flow Rate: 400 ml/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>0707</u>	<u>21.65</u>	<u>6.84</u>	<u>3087</u>	<u>2</u>	<u>0.63</u>	<u>146.2</u>	<u>2000</u>	<u>25.61</u>
<u>0710</u>	<u>22.01</u>	<u>6.85</u>	<u>3136</u>	<u>2</u>	<u>0.43</u>	<u>115.4</u>	<u>3200</u>	<u>25.60</u>
<u>0713</u>	<u>22.49</u>	<u>6.88</u>	<u>3102</u>	<u>2</u>	<u>0.33</u>	<u>98.9</u>	<u>4400</u>	<u>25.60</u>
<u>0716</u>	<u>22.70</u>	<u>6.90</u>	<u>3092</u>	<u>2</u>	<u>0.28</u>	<u>94.1</u>	<u>5600</u>	<u>25.60</u>
<u>0719</u>	<u>22.81</u>	<u>6.90</u>	<u>3064</u>	<u>2</u>	<u>0.25</u>	<u>89.4</u>	<u>6800</u>	<u>25.60</u>

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6800</u>
Sampling Time: <u>0720</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>WCW-3</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>Oxy</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-38</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>53.22</u>	Depth to Water: Pre: <u>26.81</u> Post: <u>26.82</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0751 Flow Rate: 400 ml/min Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>0756</u>	<u>21.77</u>	<u>7.16</u>	<u>498</u>	<u>2</u>	<u>1.03</u>	<u>105.4</u>	<u>2000</u>	<u>26.92</u>
<u>0759</u>	<u>22.09</u>	<u>7.12</u>	<u>492</u>	<u>2</u>	<u>0.71</u>	<u>95.4</u>	<u>3200</u>	<u>26.96</u>
<u>0802</u>	<u>22.49</u>	<u>7.10</u>	<u>494</u>	<u>2</u>	<u>0.68</u>	<u>89.9</u>	<u>4400</u>	<u>26.97</u>
<u>0805</u>	<u>22.74</u>	<u>7.09</u>	<u>498</u>	<u>2</u>	<u>0.66</u>	<u>86.1</u>	<u>5600</u>	<u>26.97</u>
<u>0808</u>	<u>22.79</u>	<u>7.08</u>	<u>501</u>	<u>2</u>	<u>0.61</u>	<u>85.2</u>	<u>6800</u>	<u>26.97</u>

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6800</u>
Sampling Time: <u>0810</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>GMW-38</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TRHfp</u> <u>VOC's</u> MTBE Other: <u>Oxy</u>	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>WCW-7</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>51.53</u>	Depth to Water: Pre: <u>28.70</u> Post: <u>29.05</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0837 Flow Rate: 400 ml/min Pump Depth: 46'

100ml Slow Purge TO 200ml/min

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
0842	22.50	6.84	3543	3	0.58	11.8	2000	29.21
0845	22.81	6.84	3586	2	0.48	13.6	2600	29.20
0848	23.00	6.80	3596	2	0.59	12.9	2900	29.20
0851	23.22	6.86	3610	2	0.41	7.7	3200	29.20
0854	23.58	6.84	3619	2	0.40	-10.1	3500	29.20
0857	23.89	6.85	3637	2	0.34	-17.3	3800	29.20
0900	24.05	6.83	3634	2	0.34	-20.3	4100	29.20
0903	24.21	6.83	3629	2	0.33	-16.2	4400	29.20

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>4400</u>
Sampling Time: <u>0905</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>WCW-7</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> <u>MTBE</u> Other: <u>Oxy</u>	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: <u>DUP-1</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711-AW1	Client: KMEP
Sampler: AW	Start Date: 7-12-11
Well I.D.: GMW-0-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.34	Depth to Water: Pre: 23.79 Post: 24.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0930 Flow Rate: 400 ml/min Pump Depth: 44'

100 gal @ 200 ml/min

Time	Temp. (°C or °F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to water
0935	22.19	6.78	3296	6	0.84	56.1	2000	^{AW} 23.3 ^{24.50}
0938	22.40	6.76	3298	5	0.71	51.6	2600	24.44
0941	22.77	6.75	3286	5	0.50	54.4	2900	24.50
0944	23.06	6.75	3297	5	0.44	54.8	3200	24.53
0947	23.25	6.74	3294	5	0.36	54.9	3500	24.57

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 3500
Sampling Time: 0950	Sampling Date: ^{AW} 7-12-11
Sample I.D.: GMW-0-2	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHf</u> <u>VOC's</u> MTBE Other: <u>Oxy</u>	
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-0-16</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>48.92</u>	Depth to Water: Pre: <u>25.94</u> Post: <u>25.94</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1019 Flow Rate: 400 ml/min Pump Depth: 43

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1024	22.50	7.01	1614	7	0.48	54.3	2000	25.98
1027	22.87	6.99	1599	7	0.32	50.6	3200	25.98
1030	23.31	6.99	1598	6	0.27	44.4	4400	25.98
1033	23.39	6.98	1598	6	0.21	41.4	5600	25.98

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>5600</u>
Sampling Time: <u>1035</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>GMW-0-16</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHf</u> <u>VOC's</u> MTBE	Other: <u>Oxy</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-1W1</u>	Client: KMEP
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-39</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>50.72</u>	Depth to Water: Pre: <u>26.56</u> Post: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1120 Flow Rate: 400 ml/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>1125</u>	<u>23.08</u>	<u>7.19</u>	<u>1003</u>	<u>5</u>	<u>1.97</u>	<u>36.1</u>	<u>2000</u>	<u>26.79</u>
<u>1128</u>	<u>23.22</u>	<u>7.15</u>	<u>999</u>	<u>5</u>	<u>1.62</u>	<u>34.0</u>	<u>3200</u>	<u>26.78</u>
<u>1131</u>	<u>23.56</u>	<u>7.14</u>	<u>993</u>	<u>5</u>	<u>1.37</u>	<u>31.4</u>	<u>4400</u>	<u>26.78</u>
<u>1134</u>	<u>23.95</u>	<u>7.14</u>	<u>993</u>	<u>4</u>	<u>1.28</u>	<u>29.2</u>	<u>5600</u>	<u>26.78</u>
<u>1137</u>	<u>23.77</u>	<u>7.12</u>	<u>994</u>	<u>4</u>	<u>1.19</u>	<u>29.3</u>	<u>6800</u>	<u>26.78</u>

Did well dewater? Yes No Amount actually evacuated: 6800

Sampling Time: 1140 Sampling Date: 7-12-11

Sample I.D.: GMW-39 Laboratory: Alpha Analytical

Analyzed for: (TPHg) (TPHfp) (VOC's) MTBE Other: Oxy

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW</u>	Client: KMEP
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>MW-SF-1</u>	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: <u>51.11</u>	Depth to Water: Pre: <u>29.82</u> Post: <u>29.89</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1204 Flow Rate: 400 ml/min Pump Depth: 46

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1209	26.07	7.09	1692	74	0.25	-221.7	2000	29.99
1212	26.48	7.13	1717	62	0.14	-244.1	3200	29.98
1215	26.81	7.09	1721	49	0.11	-258.5	4400	29.99
1218	26.95	7.10	1719	36	0.10	-270.6	5600	29.99
1221	26.94	7.06	1718	29	0.10	-279.1	6800	29.99
1224	27.02	7.04	1713	27	0.10	-286.5	8000	29.99
1227	27.08	7.00	1712	27	0.10	-289.3	9200	29.99
1230	27.04	6.99	1712	26	0.09	-293.1	10400	29.99

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>10400</u>
Sampling Time: <u>1235</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>MW-SF-1</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>Bay</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>fw</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>PZ-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>38.05</u>	Depth to Water: Pre: <u>25.47</u> Post: <u>25.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 12:56 Flow Rate: 400 ml/min Pump Depth: 34'

200 ml/min

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to water
1300	22.81	6.77	2415	2	1.01	-116.0	1600	25.88
1303	23.08	6.71	2455	2	0.57	-117.3	2800	25.80
1306	23.56	6.70	2461	2	0.37	-112.2	3100	25.73
1309	23.89	6.70	2452	2	0.28	-108.1	3700	25.70
1312	24.34	6.70	2449	2	0.21	-105.5	4300	25.71

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>4300</u>
Sampling Time: <u>1315</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>PZ-5</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE Other: <u>Oxy</u>	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: <u>DUP-2</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>MW-SF-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>44.51</u>	Depth to Water: Pre: <u>30.35</u> Post: <u>30.52</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1350 Flow Rate: 400 ml/min Pump Depth: 40

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>1355</u>	<u>27.38</u>	<u>6.70</u>	<u>1513</u>	<u>24</u>	<u>0.42</u>	<u>-301.2</u>	<u>2000</u>	<u>30.49</u>
<u>1358</u>	<u>27.88</u>	<u>6.67</u>	<u>1505</u>	<u>19</u>	<u>0.31</u>	<u>-321.1</u>	<u>3200</u>	<u>30.51</u>
<u>1401</u>	<u>27.91</u>	<u>6.67</u>	<u>1503</u>	<u>17</u>	<u>0.34</u>	<u>-323.0</u>	<u>4400</u>	<u>30.51</u>
<u>1404</u>	<u>28.00</u>	<u>6.67</u>	<u>1497</u>	<u>16</u>	<u>0.26</u>	<u>-325.0</u>	<u>5600</u>	<u>30.51</u>
<u>1407</u>	<u>27.89</u>	<u>6.67</u>	<u>1494</u>	<u>16</u>	<u>0.23</u>	<u>-328.2</u>	<u>6800</u>	<u>30.52</u>

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>6800</u>
Sampling Time: <u>1410</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>MW-SF-4</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TRHg</u> <u>TRHp</u> <u>VOC's</u> <u>MTBE</u>	Other: <u>Oxy's</u>
Equipment Blank I.D.: <u>EB-2</u> @ Time <u>1340</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110711	Client: KMEP
Sampler: AW	Start Date: 7-12-11
Well I.D.: GMW-0-14	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.02	Depth to Water: Pre: 24.79 Post: 25.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1452 Flow Rate: 300 ml/min Pump Depth: 45

100 ml/min

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1459	24.85	7.58	2274	12	0.45	-116.7	2100	25.31
1502	25.55	7.57	2276	12	0.42	-107.0	2400	25.35
1505	25.59	7.56	2282	13	0.39	-98.8	2700	25.37
1508	25.54	7.55	2287	12	0.36	-92.0	3000	25.37
1511	25.53	7.53	2291	12	0.31	-87.9	3300	25.37
1514	25.57	7.50	2306	12	0.29	-82.2	3600	25.37

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 3600
Sampling Time: 1515	Sampling Date: 7-12-11
Sample I.D.: GMW-0-14	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	<u>Other:</u> Oxy
Equipment Blank I.D.: @	Duplicate I.D.: DUP-3

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-C-18</u>	Well Diameter: 2 3 4 6 8 <u>10</u>
Total Well Depth: <u> </u>	Depth to Water: Pre: <u> </u> Post: <u> </u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: PVC Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: ~~2" Grundfos Pump~~ ~~Peristaltic Pump~~ ~~Bladder Pump~~
 Sampling Method: ~~Dedicated Tubing~~ ~~New Tubing~~ ~~Other _____~~
 Start Purge Time: _____ Flow Rate: _____ Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
- Ext port not producing water								
- No Sample Collected								

Did well dewater?	Yes	No	Amount actually evacuated:
Sampling Time:	Sampling Date:		
Sample I.D.:	Laboratory: <u>Alpha Analytical</u>		
Analyzed for:	TPHg	TPHfp	VOC's
	MTBE	Other:	
Equipment Blank I.D.:	@	Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-36</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u> </u>	Depth to Water: Pre: <u> </u> Post: <u> </u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other
 Start Purge Time: Flow Rate: Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
<u>- Ext port not producing water</u>								
<u>- No Sample Collected</u>								

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u> </u>
Sampling Time: <u> </u>	Sampling Date: <u> </u>
Sample I.D.: <u> </u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u> </u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>110711-AW1</u>	Client: <u>KMEP</u>
Sampler: <u>AW</u>	Start Date: <u>7-12-11</u>
Well I.D.: <u>GMW-0-15</u>	Well Diameter: 2 3 4 6 8 <u> </u>
Total Well Depth: <u> </u>	Depth to Water: Pre: <u> </u> Post: <u> </u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other Ext Port
 Start Purge Time: 1043 Flow Rate: 300 ml/min Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1046	22.00	6.76	2350	2	0.33	-48.6	1200	—
1049	22.25	6.74	2353	2	0.26	-48.9	2400	—
1052	22.30	6.72	2354	2	0.25	-48.6	3600	—
1055	22.39	6.71	2355	2	0.24	-48.9	4800	—

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>4800</u>
Sampling Time: <u>1100</u>	Sampling Date: <u>7-12-11</u>
Sample I.D.: <u>GMW-0-15</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>Oxy</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

BLAINE

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

TECH SERVICES, INC.

LAB Alpha Analytical COC 1 of 3

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT Kinder Morgan
SITE DFSP Norwalk
15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		LAB SAMPLE #
				Water	Preservation Type	
IB-1	7-11-11	0800	AG	2	HCl VOA	
EXP-5		1135		8		
WGW-13		1240		8		
GMW-12-1		1335		8		
GMW-0-3		1410		8		
GMW-0-19		1500		8		
EB-1		1435		8		
EXP-1		0801		8		
EXP-2		0847		8		
EXP-3		0931		8		

CONDUCT ANALYSIS TO DETECT		RESULTS NEEDED NO LATER THAN	DATE	TIME
TPHg, TPHf (EPA 8015M)	VOC's & Oxygenates (EPA 826B)			
X	X	Standard	7-12-11	1650
X	X		7-17-11	1310
X	X			1310

RECEIVED BY: Andy Wolff TIME: 1650 DATE: 7-12-11

RECEIVED BY: Nicole (SAIPE Custodian) TIME: 1310 DATE: 7-17-11

RECEIVED BY: [Signature] TIME: 1310 DATE:

SHIPPED VIA: _____ COOLER #: _____

BLAINE

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

TECH SERVICES, INC.

LAB Alpha Analytical COC 2 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Dan Jablonski
 CH2MHILL
 1000 Wilshire Blvd 21st floor
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		CONDUCT ANALYSIS TO DETECT		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				Water	Oil	TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)				
WGW-3	7-12-11	0720	AG	8	HCl	VOA	X				
EXP-3		0725					X				
GMW-38		0810					X				
WGW-7		0905					X				
GMW-02		0950					X				
GMW-016		1035					X				
GMW-015		1100					X				
GMW-39		1140					X				
MW-SF-1		1235					X				
PZ-5		1315					X				

RESULTS NEEDED NO LATER THAN **Standard**

RELEASSED BY: *[Signature]* TIME: 1650 RECEIVED BY: *[Signature]* DATE: 7-12-11 TIME: 650

RELEASSED BY: *[Signature]* TIME: 120 RECEIVED BY: *[Signature]* DATE: 7-13-11 TIME: 130

RELEASSED BY: *[Signature]* TIME: 1300 RECEIVED BY: *[Signature]* DATE: 7-13-11 TIME: 130

SHIPPED VIA: _____ COOLER # _____

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

Alpha Analytical COC 3 of 3

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

TPHg, TPHp (EPA 8015M)

VOC's & Oxygenates (EPA 8260B)

LAB

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Kindergarten Norwalk

Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

MATRIX CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
EB-2	7-12-11	1340	AG	2	HCl	VOA	X			
MW-SF-4		1410					X			
GMW-D-14		1515					X			
DUP-1							X			
DUP-2							X			
DUP-3							X			

SAMPLING PERFORMED BY *AWolff*

COMPLETED DATE 7-12-11 TIME 155

RELEASED BY

Andy Wolff

RECEIVED BY

1650

RECEIVED BY

Andy Wolff

DATE

7-12-11 1658

RELEASED BY

Nicole (Sample Custodian)

RECEIVED BY

1310

DATE

7-13-11 1320

RELEASED BY

[Signature]

RECEIVED BY

1310

DATE

7-13-11 1320

SHIPPED VIA

TIME SENT

COOLER #

WELLHEAD INSPECTION CHECKLIST

Client CH2MHILL

Site Address DFSP NORWALK

Date: 7-11-11

Job Number 110711-fw1

Technician: AW

Well ID	Well Inspected - No Corrective Action Required	Is access to the well unobstructed?	Flush Mounted wellbox	Standpipe	Guard posts	If applicable, is the well vault dry and free of debris?	Is there any physical damage to the well, well vault and cover, or protective casing?	Is a well identification tag present and legible?	Is the well easily visible?	Is there evidence of heaving or settling of the well, vault, or protective casing?	Stripped or Missing Bolts	Expansion Cap & lock in good working order	Cracked Apron	Well Not Inspected (explain below)	Corrective actions still required
EXP-1		X	X			X		X				X			
EXP-2		X	X			X		X				X			
EXP-3		X	X			X		X				X			
EXP-5		X	X			X		X	X			X			
WCW-13		X	X			X		X	X			X			
GMW-O-1		X	X			X	X	X	X		X	X			X
GMW-O-3		X	X			X	X	X	X		X	X			X
GMW-O-19		X	X			X	X	X			X	X			X
WCW-3		X	X			X	X	X	X		X	X			X
GMW-38		X		X	X	X		X	X			X			
WCW-7		X	X			X	X	X	X		X	X			X
GMW-O-2		X	X			X	X	X	X		X	X			X
GMW-O-16		X	X			X	X	X			X	X			X
GMW-39		X		X	X	X		X	X			X			
MW-SF-1		X		X		X		X	X			X			
PZ-5		X	X			X		X	X			X	X		
MW-SF-4		X		X		X		X	X			X			
GMW-O-14		X	X			X		X	X			X			

NOTES: wcw-3 2 of 2 tabs stripped, gmw-o-19 1 of 2 tabs broken, 1 of 2 bolts bent
gmw-o-16 2 of 2 tabs stripped, wcw-7 2 of 2 tabs stripped, gmw-o-1 2 of 2 tabs
stripped, gmw-o-3 2 of 2 tabs stripped, gmw-o-2 2 of 2 tabs stripped

WELLHEAD INSPECTION CHECKLIST

Client CH2MHILL

Site Address DFSP NORWALK

Date: 7-11-11

Job Number 110711-AW1

Technician: AK

Well ID	Well Inspected - No Corrective Action Required	Is access to the well unobstructed?	Flush Mounted wellbox	Standpipe	Guard posts	If applicable, is the well vault dry and free of debris?	Is there any physical damage to the well, well vault and cover, or protective casing?	Is a well identification tag present and legible?	Is the well easily visible?	Is there evidence of heaving or settling of the well, vault, or protective casing?	Stripped or Missing Bolts	Expansion Cap & lock in good working order	Cracked Apron	Well Not Inspected (explain below)	Corrective actions still required
GMW-O-18		X	X			X		X	X			X			
GMW-O-15		X	X			X		X	X			X			
GMW-36		X				X		X	X			X			

NOTES: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 1107293E-2	Client: KMEP
Sampler: JR	Start Date: 7/29/11
Well I.D.: GMW-36	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: -	Depth to Water: Pre: - Post: -
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other: CRT Pump
 Start Purge Time: 1453 Flow Rate: 500 ml/min Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ml)	Depth to water
1456	33.6	6.4	2506	6	0.60	-148.4	1500	0.002
1459	35.2	6.5	2510	5	0.50	-176.2	3000	↓
1502	35.5	6.5	2512	5	0.44	-177.4	4500	
1503	35.3	6.5	2513	4	0.40	-179.6	6000	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6 L
Sampling Time: 1504	Sampling Date: 7/29/11
Sample I.D.: GMW-36	Laboratory: Alpha Analytical
Analyzed for: <input checked="" type="checkbox"/> TPHg <input checked="" type="checkbox"/> TPHfp <input checked="" type="checkbox"/> VOC's <input type="checkbox"/> MTBE	Other: <u>Oxygen</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110729JR-2	Client: KMEP
Sampler: JR	Start Date: 7/29/11
Well I.D.: GMW-0-18	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: —	Depth to Water: Pre: — Post: —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump Ext. Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: _____ Flow Rate: _____ Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
— Not Producing —								

Did well dewater? Yes No Amount actually evacuated: _____

Sampling Time: _____ Sampling Date: 7/29/11

Sample I.D.: GMW-0-18 Laboratory: Alpha Analytical

Analyzed for: ~~PEHg~~ ~~TPHP~~ ~~VOC's~~ MTBE Other: Organics

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

WELLHEAD INSPECTION CHECKLIST

Client CH2MHILL

Site Address DFSP NORWALK

Date: 7/29/11

Job Number 110729JN-2

Technician: JN

Table with 13 columns: Well ID, Well Inspected - No Corrective Action Required, Is access to the well unobstructed?, Flush Mounted wellbox, Standpipe, Guard posts, If applicable, is the well vault dry and free of debris?, Is there any physical damage to the well, well vault and cover, or protective casing?, Is a well identification tag present and legible?, Is the well easily visible?, Is there evidence of heaving or settling of the well, vault, or protective casing?, Stripped or Missing Bolts, Expansion Cap & lock in good working order, Cracked Apron, Well Not Inspected (explain below), Corrective actions still required.

NOTES:

