

November 14, 2018

Ted Uecker Washington Department of Ecology 4601 Monroe, Suite 202 Spokane, WA 99205-1295

Re: Dusty Four Star Supply-Semi Annual Monitoring Report Correspondence #117.43

Dear Mr. Uecker:

Semi annual monitoring was performed at Four Star Supply, (formerly Dusty Farm Coop) on October 30, 2018. This report provides data regarding samples collected at that time. All wells were sampled with the exception of GW5, GW7, GW9 and the onsite water supply wellhead. The four afore-mentioned well/sampling locations have revealed numerous, consecutive samples below the minimum detection limits of the laboratory for the constituents of concern at the site. Sampling of these wells is not considered critical for operation of the groundwater treatment system, but will be included in the future sampling plan when the site nears closure. MW1 was damaged by a snow plow in 2009 and was abandoned. Replacement of MW1 is not considered necessary for operation and monitoring of the on-site treatment system.

Wells MW2 through MW5, GW1 and GW3 were opened and allowed to equilibrate to atmospheric pressure prior to collection of static water levels. All wells were sampled using low-flow sampling techniques and samples were collected in laboratory certified containers, placed on ice and transported to the laboratory for analyses. Samples were analyzed using Method 8260C for benzene, toluene, ethylbenzene and total xylene (BTEX). Gasoline analyses were performed using method NWTPH-Gx.

The most recent samples were below the Model Toxic Control Act (MTCA) Method A standard for groundwater except for MW2. MW2 revealed benzene at 12.0 μ g/L and ethylbenzene at 58.0 μ g/L compared to the MTCA Method A groundwater standard of 5.0 μ g/L and 30.0 μ g/L respectively.

Methyl tert-butyl ether (MTBE) was revealed at low levels in all of the wells sampled. All wells were below the current MTCA Method A standard for groundwater of $20.0 \,\mu$ g/L except for MW3. MW3 revealed MTBE at $36.0 \,\mu$ g/L compared to a MTCA Method A groundwater standard of $20 \,\mu$ g/L. Since site remedial action was initiated in 2001 under the 1993 MTCA,

MTBE is not actually a chemical of concern for this site. MTBE is being reported as part of the analytical procedure by the laboratory and is provided here as supplemental information.

Operation of the collection and treatment system had been suspended due to an inability of the recharge basin pump to deliver adequate flow to the recharge trench during the spring. This situation triggered high alarm condition in the recharge basin when it is out-paced by discharge from the collection trench pump and the air stripper.

Attempts to restart the treatment system in July of 2018 were unsuccessful since the collection basin pump failed during troubleshooting efforts. The collection basin pump has since been replaced and delivery from the recharge basin to the recharge trench was tested on October 30, 2018 at approximately 50 gpm for approximately 5-minutes (approximately 250 gallons). This suggests that the delivery piping to the recharge trench and perforations in the distribution piping are functioning properly and not clogged. Prior alarm conditions are now suspected to be the result of seasonally high groundwater conditions at the site during spring. The treatment system was reenergized and all systems placed on automatic operation. The upcoming spring will determine whether alarm conditions return due to high ambient groundwater conditions. If this is the case, then the system will be shut down temporarily for that period.

A data summary table and supporting laboratory data are attached for your review. If you have any questions or need any additional information, please feel free to call.

Sincerely,

Ohn Nichol

James S. De Smet, PE, PG Cc: Don Boyd, CDA Service Terry Miller, Four Star Supply

Groundwater Data Summary Dusty Four Star Supply

Well ID	Date		_							
	Date	TPH-G	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	Heavy Oil	SWL
	8/10/2001*			ND						9.20
	3/25/02		13700.00	30600.00	2410.00	14200.00				3.11
	6/27/02	120000.00	19700.00	38500.00	2310.00	15000.00				6.11
MW1	12/3/02*									
	1/24/2003**									4.73
	4/3/03	108000.00	13100.00	21000.00	1870.00	11500.00				4.18
	7/30/03	98200.00	4670.00	11100.00	1250.00	7550.00	ND	6900.00	633.00	7.13
	12/10/03*									8.30
	4/9/2004**									5.10
	9/7/2004**									8.30
	2/17/2005**									5.77
	5/12/2005**									5.40
	10/25/2005**									8.00
	3/15/2006**									3.60
	7/26/2006**									7.13
	11/21/2006**									8.10
	3/13/2007**									5.00
	6/28/2007**									6.69
	9/26/2007*									9.30
	12/21/2007*									7.20
	3/25/2008*									4.06
	6/30/2008*									6.02
	9/23/2008*									7.98
	12/4/2008*									7.28
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	8/10/01		838.00	ND	389.00	4410.00				7.45
	3/25/02	12700.00	19900.00	29800.00	1850.00	12200.00				3.33
	6/27/02	72300.00	13300.00	21500.00	1130.00	8230.00				5.95
	12/03/02*									
MW2	1/24/2003**									4.95
	4/3/03	218000.00	24900.00	53100.00	3330.00	18100.00				4.22
	7/30/03*									7.50
	12/10/2003*									7.85
	4/9/04	1420.00	192.00	280.00	32.60	208.00				4.75
	9/7/2004**		102.00	200.00	02.00	200.00				8.02
										567
	2/17/2005**									5.67
	5/12/2005**									5.53
	5/12/2005** 10/25/2005**									5.53
	5/12/2005** 10/25/2005** 3/15/2006**									5.53 7.77
	5/12/2005** 10/25/2005** 3/15/2006** 7/26/2006**									5.53 7.77 7.15
	5/12/2005** 10/25/2005** 3/15/2006**									5.53 7.77 7.15
	5/12/2005** 10/25/2005** 3/15/2006** 7/26/2006**									5.53 7.77 7.15 8.20
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	5/12/2005** 10/25/2005** 3/15/2006** 7/26/2006** 11/21/2006** 3/13/07 6/28/07									5.53 7.77 7.15 8.20 4.20 6.80
	5/12/2005** 10/25/2005** 3/15/2006** 7/26/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07									5.53 7.77 7.15 8.20 4.20 6.80 9.33
	5/12/2005** 10/25/2005** 3/15/2006** 7/26/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07 12/21/07									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 0/28/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25 7.32
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 0/26/07 0/26/07 12/21/07 3/25/08 6/30/08 0/23/08 12/4/08 3/19/09									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25 7.32 3.19
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25 7.32 3.19
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 0/26/07 0/26/07 12/21/07 3/25/08 6/30/08 0/23/08 12/4/08 3/19/09									5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20
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	5/12/2005** 10/25/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 5/2/13 10/1/13 4/23/14 10/1/13 4/23/14 10/1/15 9/10/15 5/2/13	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1600.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 1110.00 46.00 50.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00	2.70			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.76 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.32 8.67 4.70
	5/12/2005** 10/25/2005** 3/15/2006** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/25/11 11/21/21 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/1/13 4/23/14 10/1/13 4/23/14 10/1/15 5/21/16 9/20/16 9/20/16 9/20/16	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1500.00 560.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND	2.70			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.32 8.67 4.70 8.27
	5/12/2005** 10/25/2005** 3/15/2006** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/11/00 6/25/09 12/2/09 3/31/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 5/2/11 11/2/2/12 5/2/13 10/1/13 4/23/14 10/1/13 4/23/14 3/11/15 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 2710.00 2860.00 2100.00 2100.00 1600.00 1600.00 1600.00 610.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND	69.40 6.80 ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00	2.70 3.90 3.00			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.32 8.67 4.70 8.27 4.70 8.27
	5/12/2005** 10/25/2005** 3/15/2006** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/3/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/11 5/8/12 11/12/11 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 9/16/17 3/14/18	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 1600.00 1600.00 1500.00 610.00 220.00	3020.00 591.00 614.00 527.00 201.00 98.00 110.00 16.00 20.00 16.00 20.00 4.40	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND ND	69.40 6.80 ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.32 8.67 4.70 8.27 7.20 8.27
	5/12/2005** 10/25/2005** 3/15/2006** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/11/00 6/25/09 12/2/09 3/31/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 6/25/09 12/2/08 3/11/10 5/2/11 11/2/2/12 5/2/13 10/1/13 4/23/14 10/1/13 4/23/14 3/11/15 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 2710.00 2860.00 2100.00 2100.00 1600.00 1600.00 1600.00 610.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND	69.40 6.80 ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00	2.70 3.90 3.00			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.20 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.32 8.67 4.70 8.27 7.20 8.27
	5/12/2005** 10/25/2005** 3/15/2006** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/3/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/11 5/8/12 11/12/11 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 9/16/17 3/14/18	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 1600.00 1600.00 1500.00 610.00 220.00	3020.00 591.00 614.00 527.00 201.00 98.00 110.00 16.00 20.00 16.00 20.00 4.40	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND ND	69.40 6.80 ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.20 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.32 8.67 4.70 8.27 7.20 8.27
	5/12/2005** 10/25/2005** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 12/21/07 0/26/07 12/21/07 12/21/07 12/25/08 6/30/08 0/23/08 12/4/08 3/19/09 6/25/09 12/3/09 0/23/08 12/4/08 3/19/09 0/23/08 12/4/08 12/4/08 3/19/09 0/25/11 11/12/10 0/25/11 11/12/10 11/12/11 5/8/12 11/16/12 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18	23500.00 Not Sampled Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1600.00 1500.00 560.00 610.00 220.00 580.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND 1.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 58.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND ND	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.35 7.32 8.67 4.95 5.32 8.67 4.70 8.27 7.20 7.20 7.20 7.25
	5/12/2005** 10/25/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 12/21/07 3/25/08 6/30/08 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/13/09 6/25/09 12/23/09 3/311/10 6/25/11 11/2/11 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/16/12 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 9/16/17 9/16/17 9/10/18 10/30/18	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1600.00 1500.00 610.00 220.00 580.00 225900.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND 1.00 ND	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 ND 9.00 ND 9.00 ND 58.00 515.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND ND 3180.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.35 5
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 12/21/07 3/25/08 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/3/09 6/25/09 12/3/09 6/25/11 11/12/10 4/25/11 11/2/10 4/25/11 11/2/10 4/25/11 11/16/12 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 5/21/16 9/20/16 4/19/17 3/14/18 10/30/18 10/30/18	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 1600.00 1600.00 1600.00 1600.00 610.00 220.00 580.00 220.00 580.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00 4540.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND ND 1.00 ND 8900.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 9.00 ND 515.00 758.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND 10.00 ND 3180.00 4380.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.76 6.20 6.76 6.20 6.76 5.35 5.35 5.35 5.35 5.35 5.35 5.35 7.32 8.67 4.20 8.27 7.20 7.95 7.20 7.95 7.20 7.95
	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 5/2/13 10/1/13 4/23/14 10/1/13 4/23/14 10/1/13 5/21/16 9/20/16 4/19/17 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18	23500.00 Not Sampled Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2600.00 1600.00 1600.00 1500.00 560.00 610.00 220.00 580.00 225900.00 42500.00	3020.00 591.00 614.00 527.00 201.00 98.00 110.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00 4540.00 1320.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND 1.00 ND 8900.00 474.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 58.00 515.00 758.00 25.90	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 23.10 11.00 ND 10.00 ND ND 3180.00 168.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.76 6.20 6.76 6.20 6.76 5.35 5.35 5.35 5.35 5.35 5.35 5.35 7.32 8.67 4.20 8.27 7.20 7.95 7.20 7.95 7.20 7.95
	5/12/2005** 10/25/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 6/25/09 12/3/09 3/11/10 6/25/11 11/21/11 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/11/15 9/10/15 5/21/16 9/20/15 5/21/16 9/20/15 9/16/17 3/14/18 10/30/18 10/30/18 12/3/02 6/27/02 12/3/02 <	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 1600.00 1600.00 1600.00 1600.00 610.00 220.00 580.00 220.00 580.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00 4540.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND ND 1.00 ND 8900.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 9.00 ND 515.00 758.00	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND 10.00 ND 3180.00 4380.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.35 7.22 8.67 4.70 8.23 8.67 4.70 7.20 7.20 7.20 7.20 7.20 7.20 7.20 7
MW3	5/12/2005** 10/25/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 5/2/13 10/1/13 4/23/14 10/1/13 4/23/14 10/1/13 5/21/16 9/20/16 4/19/17 9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1600.00 1600.00 610.00 220.00 580.00 580.00 225900.00 42500.00 3760.00 10500.00	3020.00 591.00 614.00 527.00 201.00 98.00 110.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00 4540.00 1320.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND 1.00 ND 8900.00 474.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 58.00 515.00 758.00 25.90	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 23.10 11.00 ND 10.00 ND ND 3180.00 168.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.800 9.33 7.10 4.35 6.20 8.25 7.32 3.19 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 5.35 7.22 8.67 4.70 8.23 8.67 4.70 7.20 7.20 7.20 7.20 7.20 7.20 7.20 7
MW3	5/12/2005** 10/25/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 6/25/09 12/3/09 3/11/10 6/25/11 11/21/11 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/12/11 5/8/12 11/11/15 9/10/15 5/21/16 9/20/15 5/21/16 9/20/15 9/16/17 3/14/18 10/30/18 10/30/18 12/3/02 6/27/02 12/3/02 <	23500.00 Not Sampled Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2600.00 1600.00 1600.00 1500.00 560.00 610.00 220.00 580.00 225900.00 42500.00	3020.00 591.00 614.00 527.00 201.00 98.00 110.00 98.00 110.00 46.00 50.00 16.00 20.00 4.40 12.00 2380.00 4540.00 1320.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND 1.00 ND 8900.00 474.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 58.00 515.00 758.00 25.90	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 23.10 11.00 ND 10.00 ND ND 3180.00 168.00	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 7.32 8.67 4.70 8.27 7.20 7.20 7.20 7.20 7.25 7.32 8.67 4.70 8.27 7.20 7.20 7.20 7.25 8.27 7.20 7.20 7.25 8.27 7.20 7.20 7.20 7.20 7.20 7.20 7.20 7
MW3	5/12/2005** 10/25/2005** 3/15/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 11/21/2006** 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/21/07 3/19/09 6/25/09 3/31/10 6/24/10 11/12/10 11/21/11 5/2/13 10/1/13 3/11/15 5/2/13 10/7/14 3/11/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 10/3/25/02 6/27/02 1/24/2003**	23500.00 Not Sampled Not Sampled Not Sampled 6750.00 6360.00 3710.00 2860.00 2100.00 2000.00 1600.00 1600.00 1600.00 610.00 220.00 580.00 580.00 225900.00 42500.00 3760.00 10500.00	3020.00 591.00 614.00 527.00 65.20 201.00 98.00 110.00 46.00 50.00 110.00 20.00 4.40 12.00 2380.00 4540.00 1320.00 6750.00	ND 10.00 10.30 4.27 ND 2.28 ND 4.70 1.80 5.70 ND ND ND ND 1.00 8900.00 474.00 91.00	69.40 6.80 ND ND 1.05 20.50 6.80 98.00 5.40 84.00 ND 9.00 ND 9.00 ND 515.00 758.00 25.90 5.47	3080.00 274.30 ND 34.20 9.38 39.82 11.00 23.10 11.00 43.00 ND 10.00 ND 10.00 ND 3180.00 4380.00 168.00 43.10	2.70 3.90 3.00 4.30			5.53 7.77 7.15 8.20 4.20 6.80 9.33 7.10 4.35 6.20 6.76 4.95 5.35 5.35 5.35 5.35 5.35 5.35 7.32 8.67 4.70 8.27 7.20 7.20 7.20 7.20 7.25 7.32 8.67 4.70 8.27 7.20 7.20 7.20 7.20 7.20 7.25 7.20 7.20 7.20 7.20 7.20 7.20 7.20 7.20
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4/23/14 124.00 ND											***
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S/21/16 300.00 ND ND ND ND ND 11.00 7.14 9/20/16 300.00 0.80 ND ND ND ND 10.55 4/19/17 ND ND ND ND ND ND 3.79 9/16/17 ND 3.30 ND ND ND 7.50 9.35 3/14/18 ND ND ND ND ND 15.00 4.10 10/30/18 ND ND ND ND ND ND 10.20 6/27/02 3690.00 933.00 56.10 3.01 406.00 3.32 6/27/02 779.00 183.00 46.30 5.05 61.70 6.07 1/24/2003** - - - - 4.90 4.34 1/3/30 539.00 102.00 3.21 3.09 40.80 ND ND 7.25 1/2/10/03 411.00 121.00 ND ND								15.00			
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4/19/17 ND ND ND ND ND 21.00 3.79 9/16/17 ND 3.30 ND ND ND 7.50 9.35 3/14/18 ND ND ND ND ND ND 15.00 4.10 10/30/18 ND ND ND ND ND 15.00 4.10 10.20 ND ND ND ND ND 10.20 8/10/01 3380.00 535.00 ND 90.90 663.00 7.50 3/25/02 3690.00 933.00 56.10 3.01 406.00 3.32 6/27/02 779.00 183.00 46.30 5.05 61.70 61.70 1/24/2003** - - - 49.40 - 4.90 4/3/03 915.00 245.00 4.51 ND 40.30 ND ND 7.25 12/10/03 411.00 121.00 ND ND 23.230 7.47 </td <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>. 1.00</td> <td></td> <td></td> <td></td>								. 1.00			
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3/25/02 3690.00 933.00 56.10 3.01 406.00 3.32 6/27/02 779.00 183.00 46.30 5.05 61.70 6.07 12/3/02 525.00 185.00 6.02 ND 49.40 6.07 1/24/203**											
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6/27/02 779.00 183.00 46.30 5.05 61.70 6.07 12/3/02 525.00 185.00 6.02 ND 49.40 49.40 4.90 1/24/20/3** - - - 4.90 4.34 8/13/03 915.00 245.00 4.51 ND 40.30 4.34 8/13/03 539.00 102.00 3.21 3.09 40.80 ND ND 7.25 12/10/03 411.00 121.00 ND ND 32.30 7.47 4/9/04 514.00 226.00 ND ND 28.20 7.91 2/17/05 188.00 203.00 2.42 ND 125.00 5.61 5/12/10/5 188.00 203.00 2.42 ND 125.00 5.59 10/25/05 154.00 12.20 ND ND 9.66 5.59 10/25/05 154.00 12.20 ND ND ND 3.09 3/15/06 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
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8/13/03 539.00 102.00 3.21 3.09 40.80 ND ND 7.25 12/10/03 411.00 121.00 ND ND 32.30 7.47 4/9/04 514.00 226.00 ND ND 16.70 4.90 9/7/04 395.00 158.00 ND ND 28.20 7.91 2/17/05 1880.00 203.00 2.42 ND 125.00 5.61 5/12/05 842.00 189.00 ND ND ND 3.60 10/25/05 154.00 12.20 ND ND ND 3.60 7/126/06 457.00 21.40 ND ND ND 3.60 7/26/06 457.00 21.40 ND ND 3.09 7.20 11/21/06 119.00 1.74 ND ND ND 7.93	MW5		015.00	245.00	A F 1	ND	40.20				
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2/17/05 1880.00 203.00 2.42 ND 125.00 5.61 5/12/05 842.00 189.00 ND ND 9.66 5.59 10/25/05 154.00 12.20 ND ND ND 3.60 3/15/06 1630.00 53.10 2.84 ND 148.00 3.60 7/26/06 457.00 21.40 ND ND 3.09 7.20 11/21/06 119.00 1.74 ND ND ND 7.93			514.00	226.00							
5/12/05 842.00 189.00 ND ND 9.66 5.59 10/25/05 154.00 12.20 ND ND ND ND 3/15/06 1630.00 53.10 2.84 ND 148.00 3.60 7/26/06 457.00 21.40 ND ND 3.09 7.20 11/21/06 119.00 1.74 ND ND ND 7.93		4/9/04		1 5 0 0 0		ND	28.20				7.91
3/15/06 1630.00 53.10 2.84 ND 148.00 3.60 7/26/06 457.00 21.40 ND ND 3.09 7.20 11/21/06 119.00 1.74 ND ND ND 7.93		4/9/04 9/7/04	395.00								5.61
7/26/06 457.00 21.40 ND ND 3.09 7.20 11/21/06 119.00 1.74 ND ND ND 7.93		4/9/04 9/7/04 2/17/05 5/12/05	395.00 1880.00	203.00	2.42	ND	125.00				
11/21/06 119.00 1.74 ND ND ND 7.93		4/9/04 9/7/04 2/17/05 5/12/05 10/25/05	395.00 1880.00 842.00 154.00	203.00 189.00 12.20	2.42 ND ND	ND ND ND	125.00 9.66 ND				5.59
3/13/07 431.00 5.00 ND ND ND A39		4/9/04 9/7/04 2/17/05 5/12/05 10/25/05 3/15/06	395.00 1880.00 842.00 154.00 1630.00	203.00 189.00 12.20 53.10	2.42 ND ND 2.84	ND ND ND ND	125.00 9.66 ND 148.00				5.59 3.60
		4/9/04 9/7/04 2/17/05 5/12/05 10/25/05 3/15/06 7/26/06 11/21/06	395.00 1880.00 842.00 154.00 1630.00 457.00	203.00 189.00 12.20 53.10 21.40	2.42 ND ND 2.84 ND	ND ND ND ND ND ND	125.00 9.66 ND 148.00 3.09				5.59 3.60 7.20

Well ID	-		_							A 148
	Date	TPH-G	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	Heavy Oil	SWL
	6/28/07 9/26/07	428.00 105.00	1.25 ND	ND ND	ND ND	ND ND				6.73 9.28
	12/21/07	ND	0.93	ND	ND	ND			1	6.92
	3/25/08	485.00	1.05	ND	ND	ND				3.65
	6/30/08	182.00	ND	ND	ND	ND				5.97
	9/23/08	ND	0.94	ND	ND	ND		282.00	ND	8.19
	12/4/08	119.00	ND	ND	ND	ND				7.41
	3/19/09	ND	ND ND	ND	ND ND	ND ND			-	2.81
	6/25/09	101.00 142.00	ND	ND ND	ND	ND				5.04 6.79
	3/31/10		ND	ND	ND	ND				4.25
	6/24/10		ND	ND	ND	ND				4.69
	11/12/10		ND	ND	ND	ND				Bad Probe
	4/25/11	ND	ND	ND	ND	ND				2.62
	11/21/11	ND	ND	ND	ND	ND				7.80
	5/8/12	ND	ND	ND	ND ND	ND				2.99
	11/16/12 5/2/13	ND ND	ND ND	ND ND	ND	ND ND				7.06
	10/1/13	ND	ND	ND	ND	ND				
	4/23/14	ND	ND	ND	ND	ND				5.10
	10/7/14	ND	ND	ND	ND	ND				9.29
	3/11/15	ND	ND	ND	ND	ND	11.00			4.73
	9/10/15	ND	ND	ND	ND	ND				7.65
	5/21/16		ND	ND	ND	ND	12.00			4.24
	9/20/16	ND	ND	ND	ND	ND	6.40			8.21
	4/19/17 9/16/17	ND ND	ND ND	ND ND	ND ND	ND ND	6.40 7.20			1.97 7.22
	3/14/18	ND	ND	ND	ND	ND	4.10			2.25
	10/30/18	ND	ND	ND	ND	ND	3.60		1	7.92
	5/11/01	85.50	ND	ND	ND	1.52			1	
	3/25/02	83.30 ND	ND	ND	ND	ND				
Well Head	6/27/02	ND	ND	ND	ND	ND	1	1	1	1
	12/3/02	ND	0.51	ND	ND	ND				
	4/3/03	ND	ND	ND	ND	ND				
	8/13/03	100.00	ND	ND	ND	ND	ND	ND	ND	
	12/10/03	ND	ND	ND	ND	ND				
	4/9/04 9/7/04	ND ND	ND ND	ND ND	ND ND	ND ND				
	2/17/05	ND ND	ND ND	ND ND	ND ND	ND			1	
	5/12/05	ND	ND	ND	ND	ND				
	3/15/06	ND	ND	ND	ND	ND				
	7/26/06	ND	ND	ND	ND	ND				
	11/21/06	ND	ND	ND	ND	ND				
	3/13/07	ND	ND	ND	ND	ND				
	6/27/07	ND	ND	ND	ND	ND			-	
	9/26/07 12/21/07	ND ND	ND ND	ND ND	ND ND	ND ND				
	3/25/08	ND	ND	ND	ND	ND				
	6/30/08	ND	ND	ND	ND	ND				
	9/23/08	ND	ND	ND	ND	ND		ND	ND	
	12/4/08	ND	ND	ND	ND	ND				
	3/19/09									
	6/25/09									
	12/3/09 12/3/09								1	
	3/31/10	Not Sampled Not Sampled								
	6/30/10									
		Not Sampled							1	
	11/16/12									
	5/2/13									
	10/1/13									
	4/23/14	Not Sampled								
	10/7/14									
	2/11/17-	Not Sampled								
	3/11/15	Not Sampled Not Sampled								
	9/10/15	Not Sampled Not Sampled Not Sampled								
		Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17	Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled								
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled	ND	ND	ND	ND				4.95
	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03	Not Sampled Not Sampled	2.66	ND	ND	ND				4.67
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00	2.66 1.28	ND 2.12	ND 3.37	ND 31.40	ND	ND	ND	4.67 7.51
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00 ND	2.66 1.28 ND	ND 2.12 ND	ND 3.37 ND	ND 31.40 ND	ND	ND	ND	4.67 7.51 7.77
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03 4/9/04	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00 ND	2.66 1.28 ND ND	ND 2.12 ND ND	ND 3.37 ND ND	ND 31.40 ND ND	ND	ND	ND	4.67 7.51 7.77 4.14
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00 ND	2.66 1.28 ND	ND 2.12 ND	ND 3.37 ND	ND 31.40 ND	ND	ND	ND	4.67 7.51 7.77
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00 ND ND ND	2.66 1.28 ND ND 8.78	ND 2.12 ND ND ND	ND 3.37 ND ND ND	ND 31.40 ND ND ND	ND	ND	ND	4.67 7.51 7.77 4.14 7.79
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 1/24/03 12/10/03 12/10/03 4/9/04 2/17/05	Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled 120.00 ND 148.00 ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20	ND 2.12 ND ND ND ND	ND 3.37 ND ND ND MD ND	ND 31.40 ND ND ND ND ND	ND	ND	ND	4.67 7.51 7.77 4.14 7.79
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 10/30/18 10/30/18 10/30/18 10/30/18 10/20/18 4/3/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 10/25/2005* 3/15/06	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20 0.79	ND 2.12 ND ND ND ND ND	ND 3.37 ND ND MD ND ND	ND 31.40 ND ND ND ND ND	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 10/25/2005 3/15/06 7/26/06	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20 0.79 684.00	ND 2.12 ND ND ND ND ND ND	ND 3.37 ND ND MD ND ND ND ND	ND 31.40 ND ND ND ND ND ND 8.77	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 10/25/2005* 3/15/06 7/26/06 11/21/06	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20 0.79 684.00 2.24	ND 2.12 ND ND ND ND ND ND ND ND	ND 3.37 ND ND MD ND ND ND ND ND ND	ND 31.40 ND ND ND ND ND 8.77 ND	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 10/30/18 10/30/18 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 10/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20 0.79 684.00 2.24 ND	ND 2.12 ND ND ND ND ND ND ND ND ND	ND 3.37 ND ND ND ND ND ND ND ND ND	ND 31.40 ND ND ND ND ND 8.77 ND ND ND	ND	ND	ND	4.67 7.51 7.77 4.14 5.84 4.00 7.95 8.35 4.55
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 10/25/2005 [±] 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND ND ND ND ND ND ND ND ND ND	ND 31.40 ND ND ND ND 8.77 ND 8.77 ND ND 3.59	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 4/9/04 9/7/04 9/7/04 2/17/05 5/12/05 10/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00	ND 2.12 ND ND ND ND ND ND ND ND ND 217.00	ND 3.37 ND ND MD ND 87.00	ND 31.40 ND ND ND ND ND 8.77 ND ND 3.59 467.00	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 10/25/2005 [±] 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND ND ND ND ND ND ND ND ND ND	ND 31.40 ND ND ND ND 8.77 ND 8.77 ND ND 3.59	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03 7/30/03 12/10/03 12/10/03 12/10/03 4/9/04 9/7/04 9/7/04 2/17/05 5/12/05* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 12/21/07	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND 8.77 ND 3.59 467.00 ND	ND	ND	ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 4/9/04 9/7/04 9/7/04 2/17/05 5/12/05 10/25/2005* 10/25/2005* 10/25/2005* 10/25/2005* 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08	Not Sampled Not Sa	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND	ND 2.12 ND ND ND ND ND ND ND 217.00 ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND ND 8.77 ND ND 3.59 467.00 ND ND ND ND ND	ND	ND	ND ND	4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 10/30/18 10/30/18 10/30/18 10/30/18 10/30/18 10/30/18 10/21/00 12/10/03 12/10/03 12/10/03 12/10/05 10/25/2005* 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND 8.77 ND ND 3.59 467.00 ND ND ND ND ND ND ND ND ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 11/21/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND ND ND 217.00 ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND ND MD ND	ND 31.40 ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 4/9/04 9/7/04 9/7/04 2/17/05 5/12/05 10/25/2005* 0/25/2005* 10/25/2005* 0/25/2005 11/21/06 3/13/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09	Not Sampled Not Sa	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND 217.00 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND ND 8.77 ND ND 3.59 467.00 ND ND ND ND ND ND ND ND ND ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48 6.50
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03 7/30/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/2005* 07/26/06 11/21/06 3/13/07 9/26/07 12/21/07 3/25/08 0/23/08 12/4/08 3/19/09 06/25/09 12/3/09	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND 8.77 ND ND 3.59 467.00 ND ND ND ND ND ND ND ND ND ND ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48 6.50 6.96
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03 12/10/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 10/25/2005 [±] 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48 6.50 6.96 4.71
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 11/24/03 4/3/03 7/30/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/2005* 07/26/06 11/21/06 3/13/07 9/26/07 12/21/07 3/25/08 0/23/08 12/4/08 3/19/09 06/25/09 12/3/09	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND	ND 31.40 ND ND ND ND 8.77 ND ND 3.59 467.00 ND ND ND ND ND ND ND ND ND ND ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48 6.50 6.96
GW1	9/10/15 5/21/16 9/20/16 4/19/17 9/16/17 3/14/18 10/30/18 1/24/03 4/3/03 7/30/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/10/03 12/20/05 10/25/2005 10/25/2005 12/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 06/25/09 12/3/09	Not Sampled Not Sampled ND ND ND ND ND ND ND ND ND ND ND ND ND	2.66 1.28 ND ND 8.78 13.70 3.20 0.79 684.00 2.24 ND 1090.00 954.00 1.68 ND ND ND ND ND ND ND ND ND ND	ND 2.12 ND ND ND ND ND ND 217.00 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 3.37 ND ND MD ND ND	ND 31.40 ND	ND			4.67 7.51 7.77 4.14 7.79 5.84 4.00 7.95 8.35 4.55 7.33 9.72 7.53 3.94 6.57 8.31 7.66 2.48 6.50 6.96 4.71 5.19

Well ID	Date 5/8/12									
		TPH-G	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	Heavy Oil	SWL
	11/16/12	ND ND	ND ND	ND ND	ND ND	ND ND				3.13 7.33
	5/2/13	ND	ND	ND	ND	ND				7.55
	10/1/13	ND	ND	ND	ND	ND				
	4/23/14	ND	ND	ND	ND	ND				5.23
	10/7/14	ND	ND	ND	ND	ND				9.41
	3/11/15	ND	ND	ND	ND	ND	14.00			5.27
	9/10/15	ND	ND	ND	ND	ND	0.10			8.85
	5/21/16 9/20/16	ND ND	ND ND	ND ND	ND ND	ND ND	9.10			4.78 8.44
	4/19/17	ND	ND	ND	ND	ND	ND			1.90
	9/16/17	ND	ND	ND	ND	ND	11.00			7.39
	3/14/18	ND	ND	ND	ND	ND	1.80			2.00
	10/30/18	ND	ND	ND	ND	ND	9.80			8.22
	1/24/03	100.00	ND	ND	ND	ND				5.09
	4/3/03	179.00	50.70	6.20	ND	ND				4.68
GW3	7/30/03	294.00	84.40	2.00	2.38	25.90	ND	ND	ND	7.65
	12/10/03	107.00	12.50	ND	ND	ND				7.91
	4/9/04 9/7/04	232.00 642.00	47.00 375.00	ND ND	ND ND	23.00 ND				5.20 8.34
	2/17/05	ND	8.16	ND	ND	ND				6.19
	5/12/05	ND	7.25	ND	ND	ND				6.38
10.	/25/2005*									
	3/15/06	119.00	3.12	ND	ND	ND				4.09
	7/26/06	200.00	62.20	ND	ND	ND				7.77
	11/21/06	ND	ND	ND	ND	ND				8.49
	3/13/07 6/28/07	ND ND	ND 8.68	ND ND	ND ND	ND ND				5.20 7.25
	9/26/07	ND	8.68 ND	ND	ND	ND			1	9.74
-	12/21/07	ND	1.04	ND	ND	ND			1	7.55
	3/25/08	ND	ND	ND	ND	ND		1	1	4.55
	6/30/08	ND	ND	ND	ND	ND				6.60
	9/23/08	ND	17.40	ND	ND	ND		276.00	ND	8.36
	12/4/08	ND	ND	ND	ND	ND			ļ	7.94
	3/19/09 6/25/09	ND ND	2.43	ND	ND	ND				2.25
-	6/25/09	ND ND	2.69 ND	ND ND	ND ND	ND ND			<u> </u>	5.98 7.38
	3/31/10	ND	0.75	ND	ND	ND				5.19
	6/24/10	ND	ND	ND	ND	ND				5.52
	11/12/10	ND	ND	ND	ND	ND				Bad Probe
	4/25/11	ND	ND	ND	ND	ND				3.78
	11/21/11	ND	ND	ND	ND	ND				8.29
	5/8/12	ND	2.14	ND	ND	ND				3.43
	11/16/12 5/2/13	126.00 ND	ND ND	ND ND	ND ND	ND ND				7.42
	10/1/13	183.00	ND	ND	ND	ND				
	4/23/14	ND	1.78	ND	ND	1.03				5.40
	10/7/14	Not Sampled								
	3/11/15	Not Sampled								
	9/10/15	ND	ND	ND	ND	ND				
	5/21/16	ND	ND	ND	ND	ND	1.40			5.13
	9/20/16 4/19/17	ND ND	ND ND	ND ND	ND ND	ND ND	2.80			8.80 2.45
	9/16/17	ND	0.98	ND	ND	ND	20.00			7.58
	3/14/18	ND	0.98	ND	ND	ND	2.70			2.10
	10/30/18	ND	ND	ND	ND	ND	17.00			8.40
	1/24/03	ND								
	4/3/03		ND	ND	ND	ND				6.29
		ND	ND 21.50	ND 2.61	ND ND	ND ND				6.29 5.53
	7/30/03	108.00	21.50 2.07	2.61 ND	ND 1.17	ND 17.80	40.90	ND	ND	5.53 8.58
GW5	7/30/03 12/10/03	108.00 164.00	21.50 2.07 1.14	2.61 ND 11.20	ND 1.17 ND	ND 17.80 15.40	40.90	ND	ND	5.53
GW5	7/30/03 12/10/03 4/9/04	108.00 164.00 ND	21.50 2.07 1.14 3.05	2.61 ND 11.20 ND	ND 1.17 ND ND	ND 17.80 15.40 3.38	40.90	ND	ND	5.53 8.58 8.89
GW5	7/30/03 12/10/03 4/9/04 9/7/04	108.00 164.00 ND 329.00	21.50 2.07 1.14 3.05 172.00	2.61 ND 11.20 ND ND	ND 1.17 ND ND ND	ND 17.80 15.40 3.38 ND	40.90	ND	ND	5.53 8.58 8.89 9.30
GW5	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05	108.00 164.00 ND 329.00 1680.00	21.50 2.07 1.14 3.05 172.00 340.00	2.61 ND 11.20 ND ND ND	ND 1.17 ND ND ND ND	ND 17.80 15.40 3.38 ND ND	40.90	ND	ND	5.53 8.58 8.89
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05	108.00 164.00 ND 329.00	21.50 2.07 1.14 3.05 172.00	2.61 ND 11.20 ND ND	ND 1.17 ND ND ND	ND 17.80 15.40 3.38 ND	40.90	ND	ND	5.53 8.58 8.89 9.30
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05	108.00 164.00 ND 329.00 1680.00	21.50 2.07 1.14 3.05 172.00 340.00	2.61 ND 11.20 ND ND ND	ND 1.17 ND ND ND ND	ND 17.80 15.40 3.38 ND ND	40.90	ND	ND ND	5.53 8.58 8.89 9.30
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05* 3/15/06 7/26/06	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30	2.61 ND 11.20 ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/25/2005* 3/15/06 7/26/06 11/21/06	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00	2.61 ND 11.20 ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND 1.64	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND 1.64 ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND 1.64 ND ND 1.64 ND ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93
	7/30/03 12/10/03 4/9/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 11/21/06 3/13/07 6/28/07 9/26/07	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND 1.64 ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND 1.64 ND ND ND ND ND ND ND ND ND ND ND	40.90	ND	ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 3/13/07 6/28/07 12/21/07 3/25/08 6/30/08 9/23/08	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 ND ND ND ND	21.50 2.07 1.14 3.05 172.00 416.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90	ND	ND ND	5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69 5.63 7.75 9.51
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND 1.64 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69 5.63 7.75 9.51 8.96
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/26/06 11/21/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 12/21/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 3/19/09	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69 5.63 7.75 9.51 8.96 4.28
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 6/25/09	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 1980.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.65 10.93 8.63 7.75 9.51 8.96 4.28 6.41
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 12/4/08 3/19/09 12/3/09	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 535.00 894.00 538.00 106.00 86.60 6.19 2.17 0.62 ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 3/15/06 7/26/06 11/21/06 11/21/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 3/31/10	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 1980.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.65 10.93 8.63 7.75 9.51 8.96 4.28 6.41
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 3/15/06 7/26/06 11/21/06 11/21/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 3/31/10	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 535.00 894.00 538.00 106.00 86.60 6.19 2.17 0.62 ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 11/12/10	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 896.00 800 800 800 800 800 800 800 800 800	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND ND ND ND ND ND ND ND ND ND	ND 17.80 15.40 3.38 ND ND ND 164 ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/1/10 12/21/07 12/21/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/07 12/21/21/21/21/21/21/21/21/21/21/21/21/2	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 416.00 47.80 83.30 535.00 894.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.75 10.93 8.65 10.93 8.75 10.93 10.95 10</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.75 10.93 8.65 10.93 8.75 10.93 10.95 10
	7/30/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/12/06 3/13/07 6/28/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 12/3/09 12/3/09 3/31/10 6/24/10 11/12/10 4/25/11 11/21/11 5/8/12	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.65 10.93 8.65 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64
	7/30/03 12/10/03 12/10/03 12/10/03 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/00	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND ND ND ND 1.64 ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.65 10.93 8.75 10.93 8.65 10.93 8.75 10.93 10.95 10
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/11 5/8/12 11/16/12 5/2/13	108.00 164.00 ND 329.00 1680.00 2233.00 227.00 1380.00 1980.00 197.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 3/13/07 6/28/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 12/3/08 12/4/10 11/12/11 15/8/12 11/16/12 5/2/13 10/1/13	108.00 164.00 ND 329.00 1680.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 10 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 14/9/04 9/7/04 2/17/05 5/12/05 7/25/2005* 3/15/06 7/26/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 9/26/07 9/26/07 9/26/07 9/26/07 9/26/07 9/23/08 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 11/12/11 5/8/12 11/16/12 5/2/13 0/1/13 4/23/14	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 223.00 1380.00 197.00 1380.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 3/13/07 6/28/07 12/21/07 3/25/08 6/30/08 9/23/08 12/4/08 3/19/09 12/3/08 12/4/10 11/12/11 15/8/12 11/16/12 5/2/13 10/1/13	108.00 164.00 ND 329.00 1680.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 10 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/25/11 11/21/11 11/21/11 5/8/12 5/2/13 10/1/13 10/1/13 10/1/13	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1980.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND ND ND ND ND ND ND ND ND	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 12/10/03 12/10/04 9/7/04 2/17/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 12/4/08 3/19/09 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/101 11/27/11 11/27/11 11/16/12 5/21/13 10/1/13 10/1/14 3/11/15 5/21/16	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/10 11/12/11 5/2/13 10/1/13 4/25/11 10/1/13 4/27/14 3/11/15 9/10/15 5/21/16 9/20/16	108.00 164.00 ND 329.00 1680.00 2233.00 227.00 1380.00 1980.00 197.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 4/9/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/12/26/06 11/21/06 3/13/07 6/28/07 12/21/07 3/25/08 6/23/08 9/23/08 12/4/08 3/19/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/09 12/3/08 12/4/08 3/11/12 11/12/11 15/8/12 11/16/12 5/2/13 10/1/13 4/23/14 10/7/14 3/11/15 9/10/15 5/21/16 5/21/15	108.00 164.00 ND 329.00 1680.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 100 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 12/10/03 12/17/05 5/12/05 5/12/05 5/12/05 11/21/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 12/21/07 3/3/11/05 5/21/13 10/1/13 10/1/13 10/1/13 10/1/13 10/1/13 10/1/13 10/1/13 10/1/14 3/11/15 5/21/16 9/10/15 5/21/16 9/20/16 1/20/16/17 9/16/17	108.00 164.00 ND 329.00 1680.00 1200.00 233.00 227.00 1380.00 1980.00 197.00 284.00 245.00 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***
	7/30/03 12/10/03 12/10/03 12/10/03 12/10/04 9/7/04 2/17/05 5/12/05 5/12/05 7/25/2005* 3/15/06 7/26/06 11/21/06 3/13/07 6/28/07 9/26/07 9/26/07 12/21/07 3/25/08 6/30/08 9/23/08 9/23/08 9/23/08 9/23/08 9/23/08 12/4/08 3/19/09 6/25/09 12/3/09 3/31/10 6/24/10 11/12/101 11/21/11 11/21/11 11/21/11 5/21/13 10/1/13 10/1/13 10/1/14 10/7/14 3/11/15 5/21/16 9/20/16 9/20/16 4/19/17 9/16/17 3/14/18	108.00 164.00 ND 329.00 1680.00 233.00 233.00 233.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 1980.00 100 ND ND ND ND ND ND ND ND ND ND	21.50 2.07 1.14 3.05 172.00 340.00 416.00 47.80 83.30 535.00 894.00 59.80 106.00 86.60 6.19 2.17 0.62 ND ND ND ND ND ND ND ND ND ND ND ND ND	2.61 ND 11.20 ND ND ND ND ND ND ND ND ND ND	ND 1.17 ND	ND 17.80 15.40 3.38 ND ND <tr< td=""><td>40.90</td><td></td><td></td><td>5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***</td></tr<>	40.90			5.53 8.58 8.89 9.30 7.55 5.53 8.95 9.65 6.93 8.69 5.63 7.75 9.51 8.96 4.28 6.41 8.62 6.20 6.82 Bad Probe 4.75 10.88 4.64 8.48 ***

Well ID	Date	TPH-G	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	Heavy Oil	SWL
	1/24/03	ND	ND	ND	ND	ND				7.52
	4/3/03	ND	ND	ND	ND	ND				6.43
GW7	7/30/03	ND ND	ND ND	ND ND	ND ND	4.06 ND	ND	ND	ND	9.44
	4/9/04	ND	1.06	ND	ND	ND				9.79 7.65
	9/7/04	ND	ND	ND	ND	ND				10.10
	2/17/05 5/12/05	ND ND	4.26 ND	ND ND	ND ND	ND ND				8.32 8.20
	10/25/2005*	ND	ND	ND	ND	ND				0.20
	3/15/06	ND	ND	ND	ND	ND				6.05
	7/26/06	ND ND	1.45 ND	ND ND	ND ND	ND ND				9.41 10.30
	3/13/07	ND	0.55	ND	ND	ND				7.35
	6/28/07	ND	ND	ND	ND	ND				9.02
	9/26/07 12/21/07	ND ND	ND ND	ND ND	ND ND	ND ND				11.45 9.62
	3/25/08	ND	ND	ND	ND	ND				6.55
	6/30/08	ND	ND	ND	ND	ND				8.35
	9/23/08 12/4/08	ND ND	ND ND	ND ND	ND ND	ND ND		ND	ND	10.36 9.87
	3/19/09	ND	ND	ND	ND	ND				5.38
	6/25/09	ND	ND	ND	ND	ND				7.26
	12/3/09 3/31/10	ND ND	ND ND	ND ND	ND ND	ND ND				9.36 7.10
	6/24/10	Not Sampled								7.97
	11/12/10	Not Sampled								
	4/25/11 11/21/11	Not Sampled Not Sampled								
	5/8/12	Not Sampled								
	11/16/12	Not Sampled								
	5/2/13 10/1/13	Not Sampled Not Sampled								
	4/23/14	Not Sampled								
	10/7/14 3/11/15	Not Sampled								
	9/10/15	Not Sampled Not Sampled								
	5/21/16	Not Sampled								
	9/20/16	Not Sampled								
	4/19/17 9/16/17	Not Sampled Not Sampled								
	3/14/18	Not Sampled								
	10/30/18	Not Sampled								
	1/24/03	ND	ND	ND	ND	ND				7.97
	4/3/03	ND	ND	ND	ND	ND				6.80
GW9	7/30/03	ND	0.70	ND	1.12	8.94	ND	ND	578.00	9.68
	12/10/03 4/9/04	118.00 ND	0.89 ND	5.71 ND	ND ND	8.96 ND				9.98 7.24
	9/7/04	ND	ND	ND	ND	3.49				10.30
	2/17/05 5/12/05	ND ND	2.39 ND	ND ND	ND ND	ND ND				8.48 8.69
	10/25/2005*	ND	ND	ND	ND	ND				0.05
	3/15/06	ND	ND	ND	ND	ND				6.77
	7/26/06	119.00 ND	0.85 ND	ND ND	ND ND	ND ND				***
	3/13/07	ND	ND	ND	ND	ND				***
	6/28/07	ND	ND	ND	ND	ND				***
	9/26/07 12/21/07	ND ND	ND ND	ND ND	ND ND	ND ND				***
	3/25/08	ND	ND	ND	ND	ND				***
	6/30/08	ND	ND	ND ND	ND ND	ND		ND	ND	***
	9/23/08 12/4/08	ND ND	ND ND	ND ND	ND ND	ND ND		ND	ND	***
	3/19/09	ND	ND	ND	ND	ND				***
	6/25/09 12/3/09	ND ND	ND ND	ND ND	ND ND	ND ND				***
	3/31/10	ND ND	ND ND	ND ND	ND ND	ND ND	<u> </u>	<u> </u>		***
	6/30/10	Not Sampled								
	11/12/10 4/25/11	Not Sampled Not Sampled								
	11/21/11	Not Sampled		-		-	-	-		
	5/8/12	Not Sampled								
	11/16/12 5/2/13									
		Not Sampled								
	4/23/14									
	10/7/14	Not Sampled Not Sampled								
	9/10/15	Not Sampled								
		Not Sampled								
	9/20/16 4/19/17	Not Sampled Not Sampled								
	9/16/17	Not Sampled								
	3/14/18									
	10/30/18	Not Sampled								
Method A Std. (µg/L)		1000.0	5.0	40.0	30.0	20.0	N/A	1000.00	1000.00	
*No sample taken-free		ates Exceedence	e of WDOE Meth	od A Cleanup S	tandards (WAC 17	73-340, Decem	ber, 1993)			
**Static Water Level Su	rvey Only									
***No SWI measureme	nt-casing bent or p	probe malfunction	on							



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-9822-1 Client Project/Site: Dusty/117

For:

Quantum Engineering S. 2641 Silver Beach Lp. Coeur d Alene, Idaho 83824

Attn: Jim DeSmet

tandre trington

Authorized for release by: 11/7/2018 2:50:37 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	9
Chronicle	11
Certification Summary	13
Method Summary	14
Chain of Custody	15
Receipt Checklists	16

Job ID: 590-9822-1

Laboratory: TestAmerica Spokane

Narrative

Receipt

The samples were received on 10/31/2018 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.3° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Quantum Engineering Project/Site: Dusty/117

TestAmerica Job ID: 590-9822-1

Client: Quantum E Project/Site: Dusty		TestAmerica Job ID: 590-9822-						
Lab Sample ID	Client Sample ID	Matrix	Collected	Received				
590-9822-1	MW2	Water	10/30/18 00:00	10/31/18 12:30	4			
590-9822-2	MW3	Water	10/30/18 00:00	10/31/18 12:30	4			
590-9822-3	MW4	Water	10/30/18 00:00	10/31/18 12:30	E			
590-9822-4	MW5	Water	10/30/18 00:00	10/31/18 12:30	5			
590-9822-5	GW1	Water	10/30/18 00:00	10/31/18 12:30				
590-9822-6	GW3	Water	10/30/18 00:00	10/31/18 12:30				
					8			
					9			

Definitions/Glossary

Clossaly		_
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	_
%R	Percent Recovery	
CFL	Contains Free Liquid	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
PQL	Practical Quantitation Limit	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	

- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)

Lab Sample ID: 590-9822-2

Matrix: Water

5

6

Client Sample ID: MW2 Date Collected: 10/30/18 00:00

Date Received: 10/31/18 12:30

Lab Sample	ID:	590-9822-1
		Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12		0.40		ug/L			11/02/18 14:37	1
Ethylbenzene	58		1.0		ug/L			11/02/18 14:37	1
m,p-Xylene	2.2		2.0		ug/L			11/02/18 14:37	1
Methyl tert-butyl ether	3.5		1.0		ug/L			11/02/18 14:37	1
o-Xylene	ND		1.0		ug/L			11/02/18 14:37	1
Foluene	1.0		1.0		ug/L			11/02/18 14:37	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 125			-		11/02/18 14:37	1
4-Bromofluorobenzene (Surr)	92		69 - 120					11/02/18 14:37	1
Dibromofluoromethane (Surr)	101		80 - 120					11/02/18 14:37	1
Toluene-d8 (Surr)	99		80 - 120					11/02/18 14:37	1

Method: NWTPH-Gx - North	hwest - Volatile F	Petroleu	m Products (GC/MS)					
Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	580		150		ug/L			11/02/18 14:37	1
Surrogate	%Recovery Q	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92	·	68.7 - 141			-		11/02/18 14:37	1

Client Sample ID: MW3 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Method: 8260C - Volatile Or	ganic Compo	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.48		0.40		ug/L			11/02/18 14:58	1
Ethylbenzene	ND		1.0		ug/L			11/02/18 14:58	1
m,p-Xylene	ND		2.0		ug/L			11/02/18 14:58	1
Methyl tert-butyl ether	36		1.0		ug/L			11/02/18 14:58	1
o-Xylene	ND		1.0		ug/L			11/02/18 14:58	1
Toluene	ND		1.0		ug/L			11/02/18 14:58	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 125			-		11/02/18 14:58	1
4-Bromofluorobenzene (Surr)	96		69 - 120					11/02/18 14:58	1
Dibromofluoromethane (Surr)	104		80 - 120					11/02/18 14:58	1
Toluene-d8 (Surr)	101		80 - 120					11/02/18 14:58	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150		ug/L			11/02/18 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

TestAmerica Job ID: 590-9822-1

Client Sample ID: MW4 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Lab Sample ID: 590-9822-3 Matrix: Water

Lab Sample ID: 590-9822-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			11/02/18 15:20	1
Ethylbenzene	ND		1.0		ug/L			11/02/18 15:20	1
m,p-Xylene	ND		2.0		ug/L			11/02/18 15:20	1
Methyl tert-butyl ether	8.9		1.0		ug/L			11/02/18 15:20	1
o-Xylene	ND		1.0		ug/L			11/02/18 15:20	1
Toluene	ND		1.0		ug/L			11/02/18 15:20	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 125			-		11/02/18 15:20	1
4-Bromofluorobenzene (Surr)	96		69 - 120					11/02/18 15:20	1
Dibromofluoromethane (Surr)	106		80 - 120					11/02/18 15:20	1
	101		80 - 120					11/02/18 15:20	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	150	ug/L			11/02/18 15:20	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac

Client Sample ID: MW5 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Method: 8260C - Volatile O	rganic Compou	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			11/02/18 16:02	1
Ethylbenzene	ND		1.0		ug/L			11/02/18 16:02	1
m,p-Xylene	ND		2.0		ug/L			11/02/18 16:02	1
Methyl tert-butyl ether	3.6		1.0		ug/L			11/02/18 16:02	1
o-Xylene	ND		1.0		ug/L			11/02/18 16:02	1
Toluene	ND		1.0		ug/L			11/02/18 16:02	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 125			-		11/02/18 16:02	1
4-Bromofluorobenzene (Surr)	97		69 - 120					11/02/18 16:02	1
Dibromofluoromethane (Surr)	106		80 - 120					11/02/18 16:02	1
Toluene-d8 (Surr)	103		80 - 120					11/02/18 16:02	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte Gasoline	Result ND	Qualifier		MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed 11/02/18 16:02	Dil Fac 1
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 97	Qualifier	Limits 68.7 - 141				Prepared	Analyzed 11/02/18 16:02	Dil Fac

TestAmerica Spokane

Client Sample ID: GW1 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Lab Sample ID: 590-9822-5 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			11/02/18 16:24	1
Ethylbenzene	ND		1.0		ug/L			11/02/18 16:24	1
m,p-Xylene	ND		2.0		ug/L			11/02/18 16:24	1
Methyl tert-butyl ether	9.8		1.0		ug/L			11/02/18 16:24	1
o-Xylene	ND		1.0		ug/L			11/02/18 16:24	1
Toluene	ND		1.0		ug/L			11/02/18 16:24	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 125			-		11/02/18 16:24	1
4-Bromofluorobenzene (Surr)	96		69 - 120					11/02/18 16:24	1
Dibromofluoromethane (Surr)	105		80 - 120					11/02/18 16:24	1
Toluene-d8 (Surr)	103		80 - 120					11/02/18 16:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150		ug/L			11/02/18 16:24	1
Surrogate	%Recoverv	Qualifier	Limits				Prepared	Analvzed	Dil Fac
	/								

Client Sample ID: GW3 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Method: 8260C - Volatile O	rganic Compou	unds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40		ug/L			11/02/18 16:45	1
Ethylbenzene	ND		1.0		ug/L			11/02/18 16:45	1
m,p-Xylene	ND		2.0		ug/L			11/02/18 16:45	1
Methyl tert-butyl ether	17		1.0		ug/L			11/02/18 16:45	1
o-Xylene	ND		1.0		ug/L			11/02/18 16:45	1
Toluene	ND		1.0		ug/L			11/02/18 16:45	1
Xylenes, Total	ND		3.0		ug/L			11/02/18 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 125					11/02/18 16:45	1
4-Bromofluorobenzene (Surr)	98		69 - 120					11/02/18 16:45	1
Dibromofluoromethane (Surr)	108		80 - 120					11/02/18 16:45	1
Toluene-d8 (Surr)	103		80 - 120					11/02/18 16:45	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150		ug/L			11/02/18 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Lab Sample ID: 590-9822-6 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-19752/5 Matrix: Water

Analysis Batch: 19752 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac 0.40 Benzene ND ug/L 11/02/18 11:57 1 Ethylbenzene ND 1.0 ug/L 11/02/18 11:57 ND m,p-Xylene 2.0 ug/L 11/02/18 11:57 1 Methyl tert-butyl ether ND 1.0 ug/L 11/02/18 11:57 1 o-Xylene ND 1.0 ug/L 11/02/18 11:57 1 Toluene ND 1.0 ug/L 11/02/18 11:57 1 Xylenes, Total ND 3.0 ug/L 11/02/18 11:57 1 MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	101		70 - 125		11/02/18 11:57	1	
4-Bromofluorobenzene (Surr)	100		69 - 120		11/02/18 11:57	1	
Dibromofluoromethane (Surr)	103		80 - 120		11/02/18 11:57	1	
Toluene-d8 (Surr)	101		80 - 120		11/02/18 11:57	1	

Lab Sample ID: LCS 590-19752/1003 Matrix: Water Analysis Batch: 19752

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	10.0	11.3		ug/L		113	80 - 120	
Ethylbenzene	10.0	11.4		ug/L		114	80 - 120	
m,p-Xylene	10.0	11.6		ug/L		116	80 - 120	
Methyl tert-butyl ether	10.0	11.5		ug/L		115	71 - 128	
o-Xylene	10.0	11.5		ug/L		115	80 - 120	
Toluene	10.0	11.2		ug/L		112	80 - 123	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 125
4-Bromofluorobenzene (Surr)	97		69 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 590-19752/6 Matrix: Water Analysis Batch: 19752

Analysis Daton. 19702	0	1.000	1.000				0/ D		
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	10.0	11.1		ug/L		111	80 - 120	2	25
Ethylbenzene	10.0	11.3		ug/L		113	80 - 120	2	25
m,p-Xylene	10.0	11.3		ug/L		113	80 - 120	2	25
Methyl tert-butyl ether	10.0	11.7		ug/L		117	71 - 128	3	12
o-Xylene	10.0	11.1		ug/L		111	80 - 120	3	25
Toluene	10.0	10.8		ug/L		108	80 - 123	4	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 125
4-Bromofluorobenzene (Surr)	95		69 - 120

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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4-Bromofluorobenzene (Surr)

Lab Sample ID: LCSD 59 Matrix: Water	0-19752/6				C	lient Sa	ample	e ID: La	b Control Prep Ty		
Analysis Batch: 19752											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
Dibromofluoromethane (Surr)	104		80 - 120								
Toluene-d8 (Surr)	99		80 - 120								
lethod: NWTPH-Gx -	Northwest	- Volatile	e Petroleur	n Proc	ducts (C	GC/MS)				
Lab Sample ID: MB 590-′ Matrix: Water	19753/5						Cli	ent Sa	mple ID: M Prep Ty		
Analysis Batch: 19753											
Assolution		MB MB					_				D'I E -
Analyte Gasoline		sult Qualifie	r RL 150		MDL Unit		D _	Prepared	I Analy 11/02/18		Dil Fa
Casoline			150		ug/L				11/02/10	11.57	
		MB MB									
Surrogate	%Recov	-						Prepared	-		Dil Fa
4-Bromofluorobenzene (Surr)		100	68.7 - 141						11/02/18	11:57	1
Lab Sample ID: LCS 590	-19753/1004					Clie	nt Sa	imple I	D: Lab Co		
Matrix: Water									Prep Ty	pe: Tot	al/N/
Analysis Batch: 19753											
Analyta			Spike Added		LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Analyte Gasoline			1000	1080	Quaimer	ug/L		108			
Odsonne			1000	1000		ug/L		100	00 - 120		
	LCS										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		68.7 - 141								
Lab Sample ID: LCSD 59	0-19753/1015				c	lient Sa	ample) ID: La	ab Control	Sampl	e Dur
Matrix: Water									Prep Ty		
Analysis Batch: 19753										·	
			Spike	LCSD	LCSD				%Rec.		RPI
Analyte			Added		Qualifier	Unit	D			RPD	Lim
Gasoline			1000	1080		ug/L		108	80 - 120	0	2
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								

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68.7 - 141

Client Sample ID: MW2

Lab Sample ID: 590-9822-2

Lab Sample ID: 590-9822-3

Lab Sample ID: 590-9822-4

Lab Sample ID: 590-9822-5

Lab Sample ID: 590-9822-6

Lab Sample ID: 590-9822-1 Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 14:37	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 14:37	MRS	TAL SPK

Client Sample ID: MW3 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analvzed	Analvst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 14:58		TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 14:58	MRS	TAL SPK

Client Sample ID: MW4 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 15:20	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 15:20	MRS	TAL SPK

Client Sample ID: MW5

Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 16:02	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 16:02	MRS	TAL SPK

Client Sample ID: GW1

Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 16:24	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 16:24	MRS	TAL SPK

Client Sample ID: GW3 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

- Bron Tuno	Batch Type	Batch Method	Bun	Dil	Initial Amount	Final	Batch Number	Prepared or Analvzed	Analyst	Lab
Prep Type			Run	Factor	Amount	Amount			Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	19752	11/02/18 16:45	MRS	TAL SPK

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Lab Sample ID: 590-9822-6

Matrix: Water

Client Sample ID: GW3 Date Collected: 10/30/18 00:00 Date Received: 10/31/18 12:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	19753	11/02/18 16:45	MRS	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Washington The following analytes are inclu the agency does not offer certif	• •	t the laboratory is no	EPA Region 10 ot certified by the	dentification Number C569 governing authority. This	Expiration Date 01-06-19 list may include analytes for which
Analysis Method Prep	Method	Matrix	Analyte	e	

TestAmerica Spokane

Method Summary

Client: Quantum Engineering Project/Site: Dusty/117

erica Job) ID: 590-9822-1	2
	Laboratory	3
	TAL SPK TAL SPK	4
	TAL SPK	5
		6
Jpdates.		7
		8

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its U

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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590-9822 Chain of Custody	PRINT NAME:	PRINT NAME: JOUILO	RECEIVED BY ALLAND	11											NALYSES		TIVE			tora	YREPORT	9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119	11977 E Eirel Ave Sev	
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Login Sample Receipt Checklist

Client: Quantum Engineering

Login Number: 9822 List Number: 1 Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

List Source: TestAmerica Spokane