February 1, 2016

Mr. Craig Rankine
Washington State Department of Ecology
2108 Grand Blvd.,
Vancouver, Washington 98661-4622

Subject: **Fourth Quarter 2015 Groundwater Monitoring Report**
Former Chevron Bulk Terminal No. 207407
612 SE Union Street
Camas, Washington

Dear Mr. Rankine:

Leidos, Inc. (Leidos), on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing groundwater monitoring activities performed at the former Chevron Bulk Terminal No. 207407 located at 612 SE Union Street in Camas, Washington (Figure 1).

Gettler-Ryan, Inc. conducted a groundwater monitoring and sampling event on December 7, 2015.

Depth to groundwater was measured in monitoring wells MW-5, MW-6, MW-8, and MW-12. Monitoring wells MW-9, MW- 10, and MW-16 were inaccessible during this event. Groundwater samples were collected from monitoring wells MW-5, MW-6, MW-8, and MW-12. Sampling procedures and field data sheets are included as Attachment A.

Groundwater samples were submitted to Eurofins Lancaster Laboratories, Inc. in Lancaster, Pennsylvania and analyzed for:

- Gasoline-range hydrocarbons (TPH-GRO) using Northwest Method NWTPH-Gx;
- Diesel- and heavy oil-range hydrocarbons using Northwest Method NWTPH-Dx extended range with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using United States Environmental Protection Agency Method 8021B.

Additionally, a laboratory-supplied trip blank (QA) was submitted to the laboratory and analyzed for TPH-GRO and BTEX to provide quality assurance.

Groundwater flow during this quarter could not be determined due to insufficient data. Analytical data are provided in Table 1. In addition, hydrographs depicting concentration

trends of contaminants of interest over time are included as Attachment B. The laboratory analysis report is included as Attachment C.

Concentrations of constituents of concern in groundwater remain stable or are declining. Concentrations of all analytes were below their respective Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) or the laboratory reporting limits in all monitoring wells sampled during this event.

Please contact Alex Shook at (971) 407-2461 or shooka@leidos.com if you have any questions or comments about the information provided herein.

Sincerely,

Leidos, Inc.

Alex Shook
Project Manager

Enclosures:

Figure 1 – Groundwater Elevation Map

Figure 2 – Groundwater Analytical Results

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Hydrographs

Attachment C – Laboratory Analysis Report

cc: Mr. Eric Roehl – CEMC (electronic copy)

Mr. Kent Zeigler – Triangle Resources
P.O. Box 1101, Camas, WA 98607

Project File

REPORT LIMITATIONS

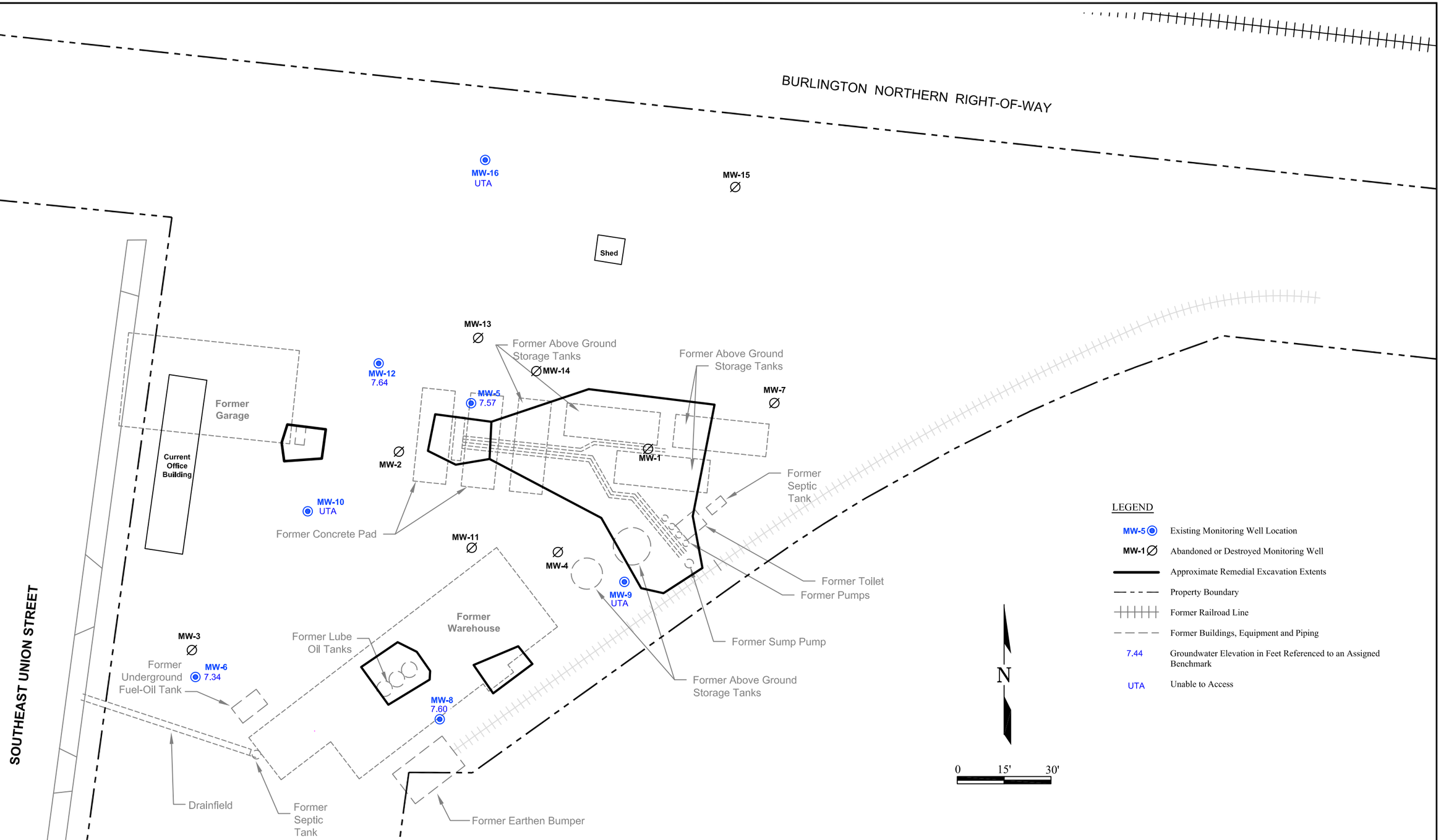
This technical document was prepared on behalf of CEMC and is intended for its sole use and for use by the local, state, or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and Leidos shall have no responsibility or liability for the consequences thereof.

Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. Leidos has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of Leidos site visits or site work and cannot be applied to conditions and features of which Leidos is unaware and has not had the opportunity to evaluate.

All sources of information on which Leidos has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied on by Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.



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Former Chevron Bulk Terminal No. 207407
612 SE Union Street
Camas, Washington

FIGURE 1
Groundwater Elevation Map
December 7, 2015

DATE: 1/25/2016 | DRAWING: 207407 Site Map 2014.dwg

BURLINGTON NORTHERN RIGHT-OF-WAY

MW-16	3/2/15	6/2/15	9/16/15	12/7/15
TPH-G	--	<50	--	--
TPH-D	--	<29	--	--
B	--	<0.5	--	--

MW-16

MW-12	3/2/15	6/2/15	9/16/15	12/7/15
TPH-G	<50	<50	<50	<50
TPH-D	<29	<29	<45	<46
B	<0.5	<0.5	<0.5	<0.2

MW-12

MW-10	3/2/15	6/2/15	9/16/15	12/7/15
TPH-G	--	<50	--	--
TPH-D	--	<29	--	--
B	--	<0.5	--	--

MW-10

MW-6	3/2/15	6/2/15	9/16/15	12/7/15
TPH-G	<50	<50	--	<50
TPH-D	<29	<29	--	<46
B	<0.5	<0.5	--	<0.2

MW-6

MW-5	3/2/15	6/2/15	9/16/15	12/7/15
TPH-G	130	380	--	260
TPH-D	37	120	--	<46
B	<0.5	<0.5	--	<0.2

MW-5

MW-9	3/2/15	6/1/15	9/16/15	12/7/15
TPH-G	--	<50	--	--
TPH-D	--	<29	--	--
B	--	<0.5	--	--

MW-9

MW-8	3/2/15	6/1/15	9/16/15	12/7/15
TPH-G	--	<50	--	<50
TPH-D	--	<29	--	<46
B	--	<0.5	--	<0.2

MW-8

MW-1 ∅
MW-2 ∅
MW-3 ∅
MW-4 ∅
MW-11 ∅
MW-13 ∅
MW-14 ∅
MW-15 ∅
MW-7 ∅

Shed
Former Garage
Current Office Building
SOUTHEAST UNION STREET
Former Above Ground Storage Tanks
Former Septic Tank
Former Concrete Pad
Former Toilet
Former Pumps
Former Sump Pump
Former Above Ground Storage Tanks
Former Warehouse
Former Lube Oil Tanks
Former Underground Fuel-Oil Tank
Drainfield
Former Septic Tank
Former Earthen Bumper

LEGEND

- MW-5 ◉ Existing Monitoring Well Location
- MW-1 ∅ Abandoned or Destroyed Monitoring Well
- Approximate Remedial Excavation Extents
- Property Boundary
- Former Railroad Line
- Former Buildings, Equipment and Piping

ANALYTES

WELL ID	DATE
TPH-G	GASOLINE-RANGE HYDROCARBONS
TPH-D	DIESEL-RANGE HYDROCARBONS
B	BENZENE

Units in Micrograms per Liter (μg/L)

<1.0 Less than Indicated Laboratory Reporting Limits

– Not Analyzed

N

0 15' 30'

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Former Chevron Bulk Terminal No. 207407
612 SE Union Street
Camas, Washington

FIGURE 2
Groundwater Analytical Results

DATE: 1/25/2016 | DRAWING: 207407 Site Map 2014.dwg

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-5	02/22/90		--	--	--	--	--	--	--	--	--	--	--	6.2	--
	12/30/93		--	--	--	--	--	670	7.0	--	61	1.4	--	6.4	--
	03/03/94		--	--	--	--	--	**1,000**	11	--	54	0.8	--	--	--
	08/17/94		--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/94		--	--	--	--	--	**3,600**	19	--	120	11	--	--	--
	05/25/95		--	--	--	--	--	770	0.83	--	5.7	--	--	--	--
	11/27/95		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/04		50.47	DRY	--	--	--	--	--	--	--	--	--	--	--
	11/08/04		50.47	38.78	11.69	260	130	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.47	37.86	12.61	200	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.47	37.66	12.81	150	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		50.47	38.30	12.17	370	<99	79	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.47	31.25	19.22	200	340	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06		50.47	43.02	7.45	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/05/06	LFP	50.47	35.58	14.89	**2,200**	<500	100	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.47	34.42	16.05	380	**1,100**	63	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.47	36.25	14.22	<960	**3,100**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07		50.47	43.32	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/06-07/07	LFP	50.47	34.05	16.42	450	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.47	35.85	14.62	**3,900**	**3,500**	74	<0.5	<0.5	<0.5	<1.5	<0.5	--	1.1
	06/24/08	LFP	50.47	30.96	19.51	<77	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08		44.72	43.10	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/13-14/08	LFP	44.72	38.65	6.07	**2,500**	440	200	<0.5	<0.5	<0.5	<1.5	<0.5	--	0.48
	03/27-28/09	LFP	44.72	36.70	8.02	280	<69	340	<0.5	<0.5	<0.5	<1.5	<0.5	--	0.34
	06/12/09	LFP	44.72	30.80	13.92	100	250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09		44.72	42.80	1.92	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/09/09	LFP	44.72	39.33	5.39	**7,900**	<690	460	<0.5	<0.5	<0.5	<1.5	<0.5	--	0.68
	12/09/09 (D)		--	--	--	**5,100**	<700	550	<0.5	<0.5	<0.5	<1.5	<0.5	--	0.69
	03/26/10		44.72	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/16/10		44.72	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	09/24/10		44.72	42.80	1.92	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/15/10		44.72	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/25/11		44.72	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/30/11	LFP	44.72	26.28	18.44	81	**680**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-5 (cont.)	09/30/11	LFP	44.72	41.30	3.42	91	<67	170	<2.0	<0.5	<0.5	<1.5	<0.5	--	0.57
	12/06/11	LFP	44.72	37.90	6.82	<30	<69	61	<0.5	<0.5	<0.5	<1.5	<0.5	--	0.15
	03/05/12	LFP	44.72	36.45	8.27	160	<70	330	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/04/12	LFP	44.72	32.00	12.72	<30	140	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12	LFP	44.72	40.05	4.67	130	<72	380	<0.5	<2.0	<0.5	<1.5	--	--	--
	12/03/12	LFP	44.72	34.09	10.63	38	<72	230	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13	LFP	44.72	36.97	7.75	65	90	210	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/03/13	LFP	44.72	32.33	12.39	<30	130	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13	LFP	44.72	42.51	2.21	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/02/13	LFP	44.72	37.33	7.39	99	<67	250	<0.5	<0.5	<0.5	1.6	--	--	--
	03/03/14	LFP	44.72	35.41	9.31	61	<67	280	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/14	LFP	44.72	29.56	15.16	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14	LFP	44.72	42.79	1.93	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/01/14	LFP	44.72	34.08	10.64	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15	LFP	44.72	35.10	9.62	37	<67	130	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/15	LFP	44.72	37.63	7.09	120	<68	380	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		44.72	43.10	1.62	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--	--	--
	12/07/15	LFP	44.72	37.15	7.57	<46	<100	260	<0.2	<0.2	<0.2	0.4	--	--	--
MW-6	02/22/90		--	--	--	--	--	--	--	--	--	--	--	--	--
	12/30/93		--	--	--	--	--	--	--	--	--	--	--	<6.0	--
	03/03/94		--	--	--	--	--	--	--	--	--	--	--	5.4	--
	08/17/94		--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/94		--	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/95		--	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/95		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/04		50.00	44.07	5.93	--	--	--	--	--	--	--	--	--	--
	11/08/04		50.00	38.36	11.64	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.00	37.42	12.58	<78	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.00	37.24	12.76	<75	<94	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		50.00	37.86	12.14	100	<100	<48	<0.5	0.6	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.00	30.76	19.24	<81	190	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	50.00	42.57	7.43	**2,500**	**12,000**	<48	<0.5	0.5	<0.5	<1.5	--	--	--
	12/05/06	LFP	50.00	35.17	14.83	<82	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.00	34.03	15.97	<160	**1,100**	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.00	35.70	14.30	<85	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07		50.00	DRY	--	--	--	--	--	--	--	--	--	--	--

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Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-6 (cont.)	12/06-07/07	LFP	50.00	33.68	16.32	<76	330	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.00	35.41	14.59	<79	210	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.00	30.35	19.65	120	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	44.24	42.69	1.55	**35,000**	**210,000**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.24	38.20	6.04	110	380	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.24	36.30	7.94	<30	<69	65	<0.5	<0.5	<0.5	<1.5	<0.5	--	<0.050
	06/12/09	LFP	44.24	30.25	13.99	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.24	42.35	1.89	**2,000**	**7,600**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	44.24	38.91	5.33	220	**600**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	44.24	38.50	5.74	44	300	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	44.24	27.97	16.27	39	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.24	42.02	2.22	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	44.24	32.38	11.86	77	450	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.24	32.09	12.15	350	**1,800**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	44.24	25.86	18.38	<150	**760**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	44.24	40.95	3.29	280	450	71	<0.5	<0.5	<0.5	<1.5	<0.5	--	<0.080
	12/06/11	LFP	44.24	37.46	6.78	<30	170	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12	LFP	44.24	36.00	8.24	58	**950**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12 (D)	LFP	44.24	36.00	8.24	<30	330	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/04/12	LFP	44.24	31.55	12.69	120	**850**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/04/12 (D)	LFP	44.24	31.55	12.69	110	**810**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12	LFP	44.24	39.60	4.64	51	390	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12 (D)	LFP	44.24	39.60	4.64	<29	80	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/03/12	LFP	44.24	33.75	10.49	79	**640**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/03/12 (D)	LFP	44.24	33.75	10.49	46	480	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13	LFP	44.24	36.59	7.65	<28	220	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13 (D)	LFP	44.24	36.59	7.65	43	410	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/03/13	LFP	44.24	31.50	12.74	100	**640**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/03/13 (D)	LFP	44.24	31.50	12.74	49	290	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13	LFP	44.24	42.38	1.86	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13 (D)	LFP	44.24	42.38	1.86	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/02/13	LFP	44.24	37.11	7.13	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/02/13 (D)	LFP	44.24	37.11	7.13	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14	LFP	44.24	34.97	9.27	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14 (D)	LFP	44.24	34.97	9.27	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/14	LFP	44.24	29.10	15.14	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-6 (cont.)	06/02/14 (D)	LFP	44.24	29.10	15.14	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14	LFP	44.24	42.38	1.86	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14 (D)	LFP	44.24	42.38	1.86	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/01/14	LFP	44.24	33.71	10.53	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/01/14 (D)	LFP	44.24	33.71	10.53	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15	LFP	44.24	36.22	8.02	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15 (D)	LFP	44.24	36.22	8.02	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/15	LFP	44.24	37.26	6.98	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/15 (D)	LFP	44.24	37.26	6.98	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		44.24	DRY	--	--	--	--	--	--	--	--	--	--	--
	12/07/15	LFP	44.24	36.90	7.34	<46	<100	<50	<0.2	<0.2	<0.2	<0.2	--	--	--
	12/07/15 (D)	LFP	44.24	36.90	7.34	<46	<100	<50	<0.2	<0.2	<0.2	<0.2	--	--	--
MW-8	08/23/04		50.70	45.33	5.37	<92	210	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	08/23/04		50.70	45.33	5.37	<160	<200	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.70	39.00	11.70	<77	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.70	38.08	12.62	<78	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.70	37.88	12.82	<75	<94	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/20/05		50.70	38.54	12.16	<78	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.70	31.35	19.35	100	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	50.70	43.15	7.55	<75	<94	<48	0.6	1	<0.5	<1.5	--	--	--
	12/05/06	LFP	50.70	35.83	14.87	<77	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.70	34.66	16.04	<78	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.70	36.44	14.26	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.70	45.42	5.28	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.70	34.29	16.41	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.70	36.00	14.70	330	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.70	31.09	19.61	210	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	44.96	43.32	1.64	<83	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.96	38.85	6.11	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.96	36.95	8.01	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	44.96	30.98	13.98	70	<74	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.96	42.95	2.01	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	44.96	39.54	5.42	150	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	44.96	39.13	5.83	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	44.96	28.60	16.36	40	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.96	42.55	2.41	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-8 (cont.)	12/15/10	LFP	44.96	32.95	12.01	85	470	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.96	32.72	12.24	31	190	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	44.96	26.57	18.39	<31	140	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	44.96	41.55	3.41	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11	LFP	44.96	38.18	6.78	<30	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		44.96	35.50	9.46	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	44.96	32.20	12.76	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12		44.96	40.23	4.73	--	--	--	--	--	--	--	--	--	--
	12/03/12	LFP	44.96	38.47	6.49	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		44.96	36.60	8.36	--	--	--	--	--	--	--	--	--	--
	06/03/13	LFP	44.96	32.52	12.44	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13		44.96	43.48	1.48	--	--	--	--	--	--	--	--	--	--
	12/02/13	LFP	44.96	37.65	7.31	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		44.96	40.99	3.97	--	--	--	--	--	--	--	--	--	--
	06/02/14		44.96	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	10/02/14		44.96	DRY											
	12/01/14		44.96	34.13	10.83	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		44.96	36.81	8.15	--	--	--	--	--	--	--	--	--	--
	06/01/15	LFP	44.96	37.83	7.13	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		44.96	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/07/15	LFP	44.96	37.36	7.60	<46	<100	<50	<0.2	<0.2	<0.2	<0.2	--	--	--
MW-9	08/23/04		51.22	45.83	5.39	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		51.22	39.50	11.72	<79	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		51.22	38.58	12.64	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		51.22	38.38	12.84	<74	<93	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		51.22	39.02	12.20	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	51.22	30.63	20.59	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	51.22	43.63	7.59	<76	<95	<48	0.7	1.1	<0.5	<1.5	--	--	--
	12/05/06	LFP	51.22	36.31	14.91	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	51.22	35.15	16.07	110	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	51.22	36.98	14.24	250	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	51.22	43.50	7.72	93	130	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	51.22	34.78	16.44	<79	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	51.22	36.52	14.70	<79	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	51.22	31.65	19.57	<77	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	45.48	43.83	1.65	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-9 (cont.)	12/13-14/08	LFP	45.48	39.36	6.12	<27	<64	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	45.48	37.44	8.04	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	45.48	31.51	13.97	51	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	45.48	43.44	2.04	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09		45.48	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/26/10	LFP	45.48	38.97	6.51	<29	77	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	45.48	29.09	16.39	30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	45.48	43.05	2.43	<29	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	45.48	33.41	12.07	97.0	440	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10 (D)		--	--	--	<30	170	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	45.48	33.22	12.26	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	45.48	27.05	18.43	<150	**600**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	45.48	42.00	3.48	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11	LFP	45.48	38.66	6.82	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		45.48	34.40	11.08	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	45.48	32.70	12.78	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12		45.48	40.72	4.76	--	--	--	--	--	--	--	--	--	--
	12/03/12	LFP	45.48	34.83	10.65	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		45.48	37.06	8.42	--	--	--	--	--	--	--	--	--	--
	06/03/13	Monitoring Well Damaged			--	--	--	--	--	--	--	--	--	--	--
	09/03/13		45.48	43.52	1.96	--	--	--	--	--	--	--	--	--	--
	12/02/13	LFP	45.48	38.12	7.36	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		45.48	40.88	4.60	--	--	--	--	--	--	--	--	--	--
	06/02/14	LFP	45.48	30.26	15.22	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		45.48	42.77	2.71	--	--	--	--	--	--	--	--	--	--
	12/01/14	LFP	45.48	34.82	10.66	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		45.48	37.11	8.37	--	--	--	--	--	--	--	--	--	--
	06/01/15	LFP	45.48	37.99	7.49	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		45.48	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/07/15		45.48	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-10	08/23/04		50.14	44.86	5.28	<160	<200	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.14	38.48	11.66	<79	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.14	37.55	12.59	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.14	37.35	12.79	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		50.14	38.03	12.11	<79	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.14	30.99	19.15	<78	130	<48	<0.5	<0.5	<0.5	<1.5	--	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-10 (cont.)	09/21/06	LFP	50.14	42.68	7.46	<75	120	<48	0.7	0.9	<0.5	<1.5	--	--	--
	12/05/06	LFP	50.14	35.28	14.86	140	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.14	34.12	16.02	<78	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.14	35.93	14.21	210	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.14	44.92	5.22	110	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.14	33.77	16.37	<78	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.14	35.51	14.63	250	370	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.14	30.62	19.52	97	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	44.41	42.84	1.57	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.41	38.35	6.06	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.41	36.41	8.00	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	44.41	30.50	13.91	31	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.41	42.46	1.95	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	44.41	39.03	5.38	67	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	44.41	38.60	5.81	<29	88	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	44.41	28.09	16.32	61	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.41	42.06	2.35	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	44.41	32.51	11.90	240	**1,600**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.41	32.21	12.20	130	**530**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	44.41	26.04	18.37	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	44.41	41.05	3.36	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11	LFP	44.41	37.62	6.79	<76	420	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		44.41	36.20	8.21	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	44.41	32.20	12.21	<30	230	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12		44.41	39.76	4.65	--	--	--	--	--	--	--	--	--	--
	12/03/12	LFP	44.41	33.81	10.60	<28	140	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		44.41	36.58	7.83	--	--	--	--	--	--	--	--	--	--
	06/03/13	LFP	44.41	32.00	12.41	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13		44.41	41.93	2.48	--	--	--	--	--	--	--	--	--	--
	12/02/13	LFP	44.41	37.02	7.39	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		44.41	33.10	11.31	--	--	--	--	--	--	--	--	--	--
	06/02/14	LFP	44.41	29.23	15.18	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		44.41	DRY											
	12/01/14	LFP	44.41	33.80	10.61	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		44.41	36.38	8.03	--	--	--	--	--	--	--	--	--	--
	06/02/15	LFP	44.41	37.30	7.11	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-10 (cont.)	09/16/15		44.41	45.17	-0.76	--	--	--	--	--	--	--	--	--	--
	12/07/15		44.41	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
MW-11	08/23/04		50.73	45.35	5.38	<77	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.73	39.05	11.68	<77	<96	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.73	38.13	12.60	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.73	37.90	12.83	<78	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		50.73	38.58	12.15	<77	<97	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.73	31.50	19.23	<79	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	50.73	43.21	7.52	<75	<94	<48	0.8	1.1	<0.5	<1.5	--	--	--
	12/05/06	LFP	50.73	35.86	14.87	<85	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.73	34.71	16.02	<90	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.73	36.52	14.21	290	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.73	45.49	5.24	87	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.73	34.33	16.40	87	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.73	36.04	14.69	<88	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.73	31.21	19.52	140	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	45.00	43.40	1.60	<78	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	45.00	38.92	6.08	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	45.00	36.98	8.02	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	45.00	31.06	13.94	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	45.00	43.00	2.00	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	45.00	39.58	5.42	39	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	45.00	39.17	5.83	<29	98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	45.00	28.65	16.35	70	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	45.00	42.61	2.39	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	45.00	32.97	12.03	<32	<75	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	45.00	32.77	12.23	<29	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	45.00	26.60	18.40	<59	320	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	45.00	41.60	3.40	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11	LFP	45.00	38.21	6.79	<74	210	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		45.00	36.30	8.70	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	45.00	32.25	12.75	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12		45.00	40.30	4.70	--	--	--	--	--	--	--	--	--	--
	12/03/12	LFP	45.00	34.38	10.62	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		45.00	36.61	8.39	--	--	--	--	--	--	--	--	--	--
	06/03/13	LFP	45.00	32.58	12.42	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-11 (cont.)	09/03/13		45.00	41.80	3.20	--	--	--	--	--	--	--	--	--	--
	12/02/13	LFP	45.00	37.64	7.36	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		45.00	41.33	3.67	--	--	--	--	--	--	--	--	--	--
	06/02/14	LFP	45.00	29.79	15.21	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		45.00	DRY											
	12/01/14	LFP	45.00	34.31	10.69	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		45.00	36.88	8.12	--	--	--	--	--	--	--	--	--	--
	06/01/15	LFP	45.00	37.41	7.59	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	Monitoring Well Decommissioned														
MW-12	08/23/04		50.11	44.82	5.29	<160	<200	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.11	38.43	11.68	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.11	37.50	12.61	<79	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.11	37.33	12.78	<82	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/20/05		50.11	37.99	12.12	97	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.11	30.94	19.17	<78	110	<48	<0.5	1.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	50.11	42.71	7.40	180	<100	<48	0.8	1.2	<0.5	<1.5	--	--	--
	12/05/06	LFP	50.11	35.22	14.89	<79	260	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.11	34.09	16.02	<79	130	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.11	35.84	14.27	100	140	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.11	44.89	5.22	<76	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.11	33.67	16.44	95	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.11	35.52	14.59	**1,200**	**880**	53	<0.5	<0.5	<0.5	<1.5	<5[8]	--	<0.050
	06/24/08	LFP	50.11	30.62	19.49	98	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	44.32	42.72	1.60	<78	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08 (D)		--	--	--	<78	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.32	38.25	6.07	**5,800**	**12,000**	<50	<0.5	0.8	<0.5	<1.5	--	--	--
	12/13-14/08 (D)		--	--	--	**3,400**	**7,200**	<50	<0.5	1.4	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.32	36.31	8.01	69	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09 (D)		--	--	--	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	44.32	30.44	13.88	140	290	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09 (D)		--	--	--	130	300	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.32	42.34	1.98	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09 (D)		--	--	--	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09		44.32	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/26/10	LFP	44.32	38.48	5.84	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10 (D)		--	--	--	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-12 (cont.)	06/16/10	LFP	44.32	27.97	16.35	160	230	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10 (D)		--	--	--	32	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.32	41.96	2.36	35	220	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10 (D)		--	--	--	160	**600**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	44.32	32.32	12.00	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.32	32.11	12.21	<150	**730**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11 (D)		--	--	--	**700**	**1,400**	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11	LFP	44.32	25.93	18.39	<30	250	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11 (D)		--	--	--	<30	170	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11	LFP	44.32	40.90	3.42	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11	LFP	44.32	37.55	6.77	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12	LFP	44.32	36.00	8.32	<30	190	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/04/12	LFP	44.32	31.55	12.77	<32	<76	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12	LFP	44.32	39.65	4.67	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/03/12	LFP	44.32	33.68	10.64	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13	LFP	44.32	36.60	7.72	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/03/13	LFP	44.32	31.95	12.37	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13	LFP	44.32	42.47	1.85	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/02/13	LFP	44.32	36.87	7.45	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14	LFP	44.32	34.96	9.36	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/14	LFP	44.32	29.15	15.17	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		44.32	DRY											
	12/01/14	LFP	44.32	33.68	10.64	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15	LFP	44.32	34.67	9.65	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/15	LFP	44.32	37.81	6.51	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15	LFP	44.32	45.05	-0.73	<45	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/07/15	LFP	44.32	36.68	7.64	<46	<100	<50	<0.2	<0.2	<0.2	<0.2	--	--	--
MW-13	08/23/04		50.41	45.12	5.29	150	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.41	38.73	11.68	440	<98	670	<0.5	<0.5	1.0	<1.5	--	--	--
	02/03/05		50.41	37.80	12.61	320	<96	**1,000**	<0.5	<0.5	1.7	<1.5	--	--	--
	04/11/05		50.41	37.60	12.81	**720**	<95	**1,100**	<2.0	<0.5	<2.0	<1.5	--	--	--
	07/20/05		50.41	38.33	12.08	**720**	<96	540	<2.0	<0.5	0.5	<1.5	--	--	--
	07/20/05 (D)		--	--	--	**1,000**	120	520	<2.0	<0.5	0.5	<1.5	--	--	--
	06/22/06[6]	LFP	50.41	31.33	19.08	**2,000**	**2,500**	160	<0.5	11	<0.5	<1.5	--	--	--
	09/21/06[6]	LFP	50.41	43.10	7.31	**4,200**	**5,300**	690	1.7	45	0.5	<1.5	--	--	--
	09/21/06 (D)		--	--	--	**3,000**	**4,800**	630	<2.0	45	0.5	<1.5	--	--	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-13 (cont.)	12/05/06	LFP	50.41	35.53	14.88	**650**	**710**	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/05/06 (D)		--	--	--	**500**	**1,600**	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.41	34.42	15.99	140	460	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07 (D)		--	--	--	290	**1,100**	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.41	36.22	14.19	380	270	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07 (D)		--	--	--	360	240	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.41	45.18	5.23	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07 (D)		--	--	--	<91	<110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.41	34.02	16.39	180	190	61	<0.5	<0.5	<0.5	<1.5	<0.5	0.11	--
	12/06-07/07 (D)		--	--	--	200	160	85	<0.5	<0.5	<0.5	<1.5	<0.5	0.11	--
	03/20-21/08	LFP	50.41	35.64	14.77	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08 (D)		--	--	--	<76	230	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.41	30.90	19.51	84	160	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08 (D)		--	--	--	96	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/13-14/08		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/27-28/09		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/12/09		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	09/18/09		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/09/09		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/26/10		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/16/10		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	09/24/10		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/15/10		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/25/11		44.60	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/30/11		44.60	DAMAGED		--	--	--	--	--	--	--	--	--	--
	09/30/11		44.60	DAMAGED		--	--	--	--	--	--	--	--	--	--
	12/07/11		Monitoring Well Decommissioned												
MW-14	08/23/04		50.59	45.30	5.29	**1,100**	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	11/08/04		50.59	38.90	11.69	300	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.59	37.97	12.62	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		50.59	37.97	12.62	<78	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		50.59	37.78	12.81	<81	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/19/05		50.59	38.43	12.16	300	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06	LFP	50.59	31.41	19.18	<87	<110	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06	LFP	50.59	43.23	7.36	150	310	<48	<0.5	0.7	<0.5	<1.5	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-14 (cont.)	12/05/06	LFP	50.59	35.73	14.86	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07	LFP	50.59	34.55	16.04	<78	<98	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07	LFP	50.59	36.40	14.19	120	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07	LFP	50.59	45.35	5.24	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07	LFP	50.59	34.18	16.41	<81	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08	LFP	50.59	35.90	14.69	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/24/08	LFP	50.59	31.11	19.48	<76	<95	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08	LFP	44.86	43.25	1.61	<78	<97	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.86	38.79	6.07	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.86	36.85	8.01	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	44.86	30.98	13.88	87	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.86	42.86	2.00	34	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	44.86	39.43	5.43	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	44.86	39.00	5.86	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	44.86	28.51	16.35	180	120	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.86	42.47	2.39	75	110	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	44.86	32.81	12.05	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.86	32.65	12.21	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11		44.86	DAMAGED		--	--	--	--	--	--	--	--	--	--
	09/30/11		44.86	DAMAGED		--	--	--	--	--	--	--	--	--	--
	12/07/11		44.86	DAMAGED		--	--	--	--	--	--	--	--	--	--
	12/07/11		Monitoring Well Decommissioned												
MW-15	09/19-20/08	LFP	45.45	43.79	1.66	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	45.45	39.31	6.14	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	45.45	37.36	8.09	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	45.45	31.60	13.85	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	05/10/13		Monitoring Well Decommissioned												
MW-16	09/18/09		45.45	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/09/09	LFP	45.45	39.97	5.48	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	45.45	39.52	5.93	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	45.45	29.05	16.40	33	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10		45.45	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/15/10		45.45	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	03/25/11		45.45	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
MW-16 (cont.)	06/30/11	LFP	45.45	27.04	18.41	<59	300	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11		45.45	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/06/11	LFP	45.45	38.60	6.85	<30	<70	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		45.45	32.10	13.35	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	45.45	32.65	12.80	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12	LFP	45.45	40.68	4.77	--	--	--	--	--	--	--	--	--	--
	12/03/12		Monitoring Well Damaged												
	09/19-20/08	LFP	44.35	42.75	1.60	<79	<99	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08	LFP	44.35	38.28	6.07	31	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09	LFP	44.35	36.31	8.04	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09	LFP	44.35	30.52	13.83	99	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09	LFP	44.35	42.36	1.99	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09	LFP	44.35	38.93	5.42	45	<72	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10	LFP	44.35	38.49	5.86	35	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10	LFP	44.35	28.00	16.35	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10	LFP	44.35	41.96	2.39	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/15/10	LFP	44.35	32.27	12.08	<32	82	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11	LFP	44.35	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	06/30/11	LFP	44.35	25.96	18.39	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/30/11		44.34	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/06/11	LFP	44.35	37.50	6.85	<31	<72	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		44.35	35.50	8.85	--	--	--	--	--	--	--	--	--	--
	06/04/12	LFP	44.35	31.60	12.75	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12	LFP	44.35	40.10	4.25	--	--	--	--	--	--	--	--	--	--
	12/03/12	LFP	44.35	33.70	10.65	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		44.35	37.01	7.34	--	--	--	--	--	--	--	--	--	--
	06/03/13	LFP	44.35	31.95	12.40	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13		44.35	42.44	1.91	--	--	--	--	--	--	--	--	--	--
	12/02/13	LFP	44.35	36.86	7.49	<31	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		44.35	34.98	9.37	--	--	--	--	--	--	--	--	--	--
	06/02/14	LFP	44.35	29.90	14.45	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		44.35	DRY											
	12/01/14	LFP	44.35	34.83	9.52	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		44.35	36.27	8.08	--	--	--	--	--	--	--	--	--	--
	06/02/15	LFP	44.35	38.33	6.02	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		44.35	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
	12/07/15		44.35	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
Camas, Washington
Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
PURGE[8]	09/30/11		--	--	--	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	12/06/11		--	--	--	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.080
	03/05/12		--	--	--	39	<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.080
	06/04/12		--	--	--	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.080
	09/04/12		--	--	--	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.034
	12/03/12		--	--	--	<28	<65	110	<0.5	<0.5	<0.5	<0.5	--	--	<0.047
	03/04/13		--	--	--	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.047
	06/03/13		--	--	--	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	--	0.30
	09/03/13		--	--	--	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.085
	12/02/13		--	--	--	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--	--	0.00040
	03/03/14		--	--	--	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--	--	0.00080
	06/03/14		--	--	--	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--	--	1.2
	10/02/14		--	--	--	41	<67	<50	<0.5	<0.5	<0.5	<0.5	--	--	0.18
	12/01/14		--	--	--	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.082
TRIP BLANK QA	08/22/04		--	--	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	02/03/05		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	04/11/05		--	--	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	07/20/05		--	--	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/22/06		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/21/06		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	
	12/05/06		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/15/07		--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/21-22/07		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/25/07		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06-07/07		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/20-21/08[7]		--	--	--	--	--	--	--	--	--	--	--	--	--
	06/24/08		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/19-20/08		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/13-14/08		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/27-28/09		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/12/09		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/18/09		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/09/09		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/26/10		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/16/10		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/24/10		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--

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FORMER CHEVRON BULK TERMINAL NO. 207407
612 SE Union Street
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Concentrations reported in µg/L

Well ID	Date	Purge Method	TOC[2] (ft.)	DTW (ft.)	GWE[3] (ft.)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	T. Lead	D. Lead
TRIP BLANK QA (cont.)	12/15/10		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/25/11		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/30/11		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/06/11		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/05/12		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/04/12		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/04/12		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/03/12		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/04/13		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/03/13		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/03/13		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/02/13		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/03/14		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/02/14		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/02/14		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/01/14		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/02/15		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	06/01/15		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/16/15		--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	12/07/15		--	--	--	--	--	<50	<0.2	<0.2	<0.2	<0.2	--	--	--
Standard Laboratory Reporting Limits:						--	--	50	0.5	0.5	0.5	1.5	0.5	0.050	0.050
MTCA Method A Cleanup Levels:						500	500	800/1,000	5	1,000	700	1,000	20	15	15
Current Method[5]:						NWTPH-Dx + Extended[4]		NWTPH-Gx	USEPA 8021B				USEPA 8260	USEPA 6020	USEPA 6020

Abbreviations:

(D) = Duplicate
D. Lead = Dissolved Lead
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
LFP = Low Flow Purge
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
QA = Quality Assurance/Trip Blank
T. Lead = Total Lead
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-GRO = TPH as Gasoline-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

Notes:

1 Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
2 TOC Elevations surveyed August 18, 2008. Elevations based on benchmark #242 "Lacamas-19" Elevation = 39.03 feet.
3 Groundwater Elevations relative to site datum, surveyed in December 2003.
4 Analyzed with silica-gel cleanup.
5 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
6 Unable to take duplicate sample due to the close proximity of a truck filled with mulch. The equipment was moved for safety purposes.
7 Laboratory unable to run QA, vials not received.
8 Purge water BTEX constituents analyzed by USEPA Method 8260.

leidos

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

December 17, 2015
G-R #386760

TO: Mr. Alex D. Shook
Leidos, Inc.
1001 SW 5th Avenue, Suite 1500
Portland, OR 97204

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Bulk Terminal
#207407
612 S.E. Union Street
Camas, Washington

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Fourth Quarter Event of December 7, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/207407

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #207407**	Date:	12/7/15
Address:	**612 S E Union Street**		
City/St.:	**Camas, WA**		
Status of Site:	Recycling Facility		

DRUMS:

Please list below ALL DRUMS on site:
(i.e., drum description, condition, labeling, contents and location of drums)

#	Description	Condition	Labeling	Contents/Capacity	Location
	NONE				

WELLS:

Please check the condition of ALL WELLS on site:
(i.e., gaskets, bolts, replaced well plug and/or well lock, well box condition and etc.)

Well ID	Gaskets (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Replaced Plug Y/N	Replaced Lock Y/N	Well Box Manufacturer/Size/# of Bolts	Other
MW-5	Ok	S	N	N	8" Sherwood	—
MW-6	Ok	Ok	↓	↓	↓	—
MW-8	ok	ok	↓	↓	8" Morris	—
MW-9	—					Lid Smashed
MW-10	—		/			Flooded
MW-12	Ok	ok	N	N	8" Generic	
MW-16	—					OTA

Additional Comments/Observations: _____

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - *"Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures."*

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 | Job Number: 386760
Site Address: 612 S E Union Street | Event Date: 12/7/15 (inclusive)
City: Camas, WA | Sampler: JH

Well ID: MW-5 | Date Monitored: 12/7/15
Well Diameter: 2 in.
Total Depth: 43.44 ft.
Depth to Water: 37.15 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

6.29 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.40

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Peristaltic Pump	X
QED Bladder Pump	X
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
Peristaltic Pump	X
QED Bladder Pump	X
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0915 | Weather Conditions: Rain
Sample Time/Date: 0950 / 12/7/15 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: 200 mlpm | Sediment Description: Low
Did well de-water? No | If yes, Time: | Volume: ltrs | DTW @ Sampling: 37.16

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded
0933	3.6	7.19	207	11.6	1.09	62	79	37.15
0936	4.2	7.16	206	11.5	1.07	61	79	37.16
0939	4.8	7.15	204	11.5	1.07	60	85	37.16

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: 40.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 | Job Number: 386760
Site Address: 612 S E Union Street | Event Date: 12/7/15 (inclusive)
City: Camas, WA | Sampler: JH

Well ID: MW-6 | Date Monitored: 12/7/15
Well Diameter: 2 in.
Total Depth: 44.01 ft.
Depth to Water: 36.90 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.11 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.32

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump	~~X~~	Peristaltic Pump	~~X~~
QED Bladder Pump	X	QED Bladder Pump	X
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 1045 | Weather Conditions: Rain
Sample Time/Date: 1120 / 12/7/15 | Water Color: Clear | Odor: Ⓨ / N | Light
Approx. Flow Rate: 200 mlpm | Sediment Description: none
Did well de-water? NO | If yes, Time: | Volume: ltrs | DTW @ Sampling: 36.92

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded
1103	3.6	7.57	139	11.5	1.13	90	82	36.90
1106	4.2	7.56	138	11.6	1.13	89	84	36.91
1109	4.8	7.54	136	11.6	1.12	88	85	36.92

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: 40.00
Dup Sample - MW-106 collected from this well

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 | Job Number: 386760
Site Address: 612 S E Union Street | Event Date: 12/7/15 (inclusive)
City: Camas, WA | Sampler: JH

Well ID: MW-8 | Date Monitored: 12/7/15
Well Diameter: 2 in.
Total Depth: 49.59 ft.
Depth to Water: 37.36 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

12.23 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.80

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump	~~X~~	Peristaltic Pump	~~X~~
QED Bladder Pump	X	QED Bladder Pump	X
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): 0830 | Weather Conditions: Heavy Rain
Sample Time/Date: 0905 / 12/7/15 | Water Color: Clear | Odor: Ⓨ / N | Light
Approx. Flow Rate: 200 mlpm | Sediment Description:
Did well de-water? No | If yes, Time: | Volume: | ltrs | DTW @ Sampling: 37.36

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded
0848	3.6	7.64	195	11.7	1.11	57	69	37.36
0851	4.2	7.62	193	11.6	1.10	56	72	37.36
0854	4.8	7.61	19.2	11.5	1.08	56	73	37.36

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: 43.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 | Job Number: 386760
Site Address: 612 S E Union Street | Event Date: 12/7/15 (inclusive)
City: Camas, WA | Sampler: JH

Well ID: MW-9 | Date Monitored: 12/7/15
Well Diameter: 2 in.
Total Depth: 45.77 ft.
Depth to Water: — ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

— xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): | Weather Conditions:
Sample Time/Date: / | Water Color: | Odor: Y / N
Approx. Flow Rate: mlpm | Sediment Description:
Did well de-water? | If yes, Time: | Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: UTA - unable to open L.C - L.C smashed Into Frame

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 Job Number: 386760
Site Address: 612 S E Union Street Event Date: 12/7/15 (inclusive)
City: Camas, WA Sampler: JH

Well ID MW- 10 Date Monitored: 12/7/15
Well Diameter 2 in.
Total Depth 49.71 ft.
Depth to Water — ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

— xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: Flooded - OTA -

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 | Job Number: 386760
Site Address: 612 S E Union Street | Event Date: 12/7/15 (inclusive)
City: Camas, WA | Sampler: JH

Well ID: MW-12 | Date Monitored: 12/7/15
Well Diameter: 2 in.
Total Depth: 49.17 ft.
Depth to Water: 36.68 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

12.49 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.17

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Peristaltic Pump	✓
QED Bladder Pump	X
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
Peristaltic Pump	✓
QED Bladder Pump	X
Other:	

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Start Time (purge): 1000 | Weather Conditions: Rain
Sample Time/Date: 1034 / 12/7/15 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: 200 mlpm | Sediment Description: none
Did well de-water? NO | If yes, Time: _____ | Volume: _____ ltrs | DTW @ Sampling: 36.70

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded
1018	3.6	7.37	182	11.6	1.17	72	55	36.69
1021	4.2	7.36	180	11.5	1.16	71	61	36.70
1024	4.8	7.35	179	11.4	1.16	70	68	36.70

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	3 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	2 x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: 42.00

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Plug: _____ Add/Replaced Lock: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #207407 Job Number: 386760
Site Address: 612 S E Union Street Event Date: 12/7/15 (inclusive)
City: Camas, WA Sampler: JH

Well ID MW-16 Date Monitored: 12/7/15
Well Diameter 2 in.
Total Depth 47.97 ft.
Depth to Water — ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

— xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: ltrs DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8021)
	x 250ml ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc/NWTPH-Dx

COMMENTS: Depth Pump Set At: Well under "Large" mountain of Mulch

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Plug: Add/Replaced Lock:

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # SS#207407-OML G-R#386760 WBS

Site Address 612 S.E. Union Street, CAMAS, WA

Chevron PM ER LEIDOSAS Lead Consultant Alex D. Shock

Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)

Consultant Phone # (925) 551-7444 x180

Sampler Jim Herrick

2 Sample Identification / Collected

Sample Identification	Date	Time
QA	12/7/15	
MW-5		0950
MW-6		1120
MW-8		0905
MW-12		1031
MW-106		-

3 Grab / Composite

Sample Identification	Grab	Composite
QA	X	
MW-5		
MW-6		
MW-8		
MW-12		
MW-106		

4 Matrix

Sample Identification	Soil	Potable Water	Ground Water	NPDES	Surface	Sediment	Air	Oil	Total Number of Containers
QA			X						2
MW-5									5
MW-6									
MW-8									
MW-12									
MW-106									

5 Analyses Requested

Sample Identification	BTEX + MTBE 8021	Naphth 8260	8260 full scan	Oxygenates (8621)	NWTPH-Gx	NWTPH-Dx with Silica Gel Cleanup	NWTPH-Dx without Silica Gel Cleanup	WA VPH	WA EPH	Lead Total	Lead Diss.	Method
QA	X				X							
MW-5						X	X					
MW-6							X					
MW-8							X					
MW-12							X					
MW-106							X					

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

Please run Dx samples with AND without silica gel. Please report results for Dx without silica gel separately. Please use 3 gram silica gel cleanup on samples requesting cleanup.

ADD Dx TO ANALYSIS
12-15-15

Please forward lab results directly to the LC and cc: G-R.

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | EDF/EDD
72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)
CVX-RTBU-FI_05 (default)
Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	12/7/15	2000			
	12/7/15			12/10/15	10:45

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

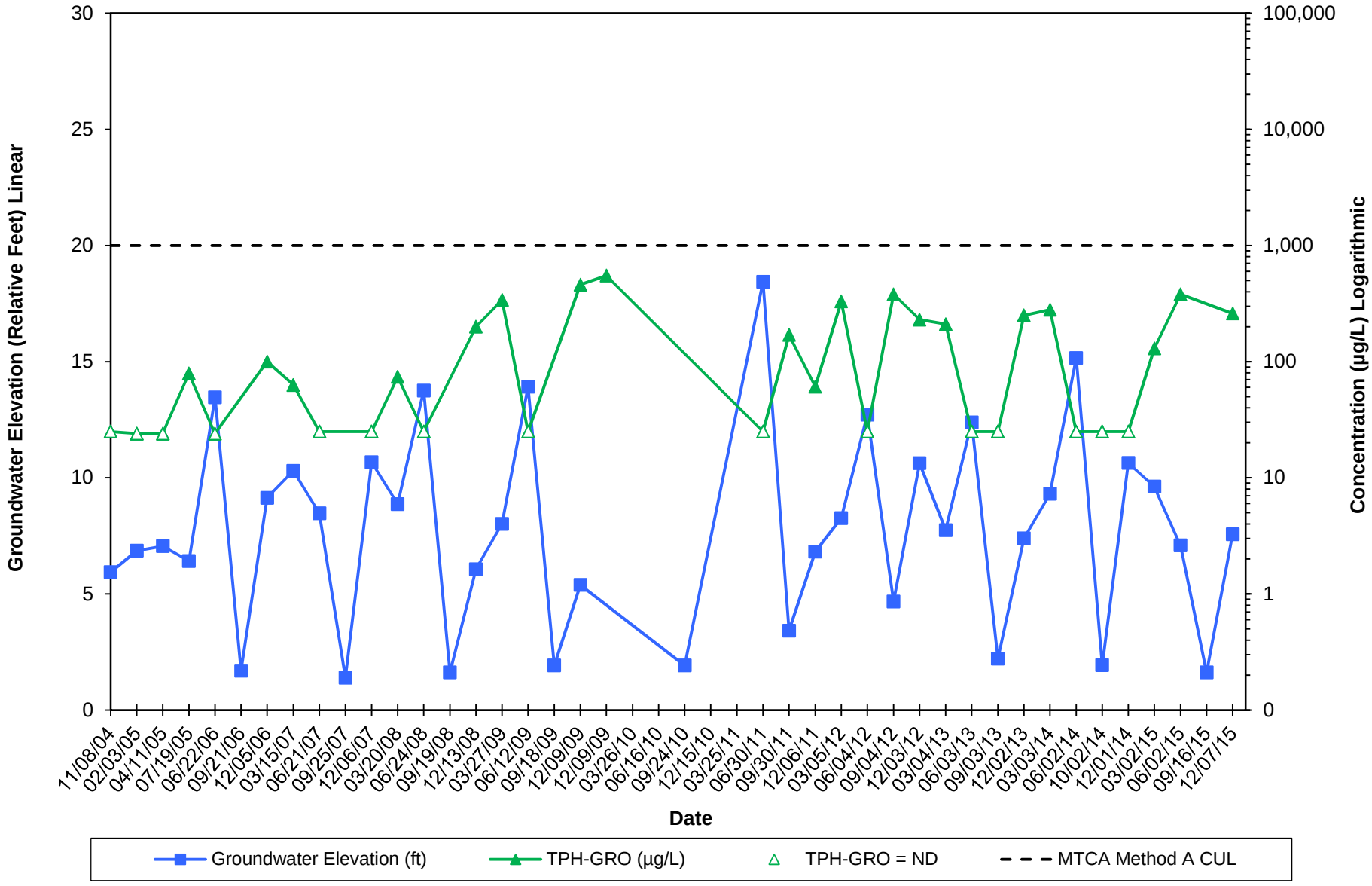
Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

9

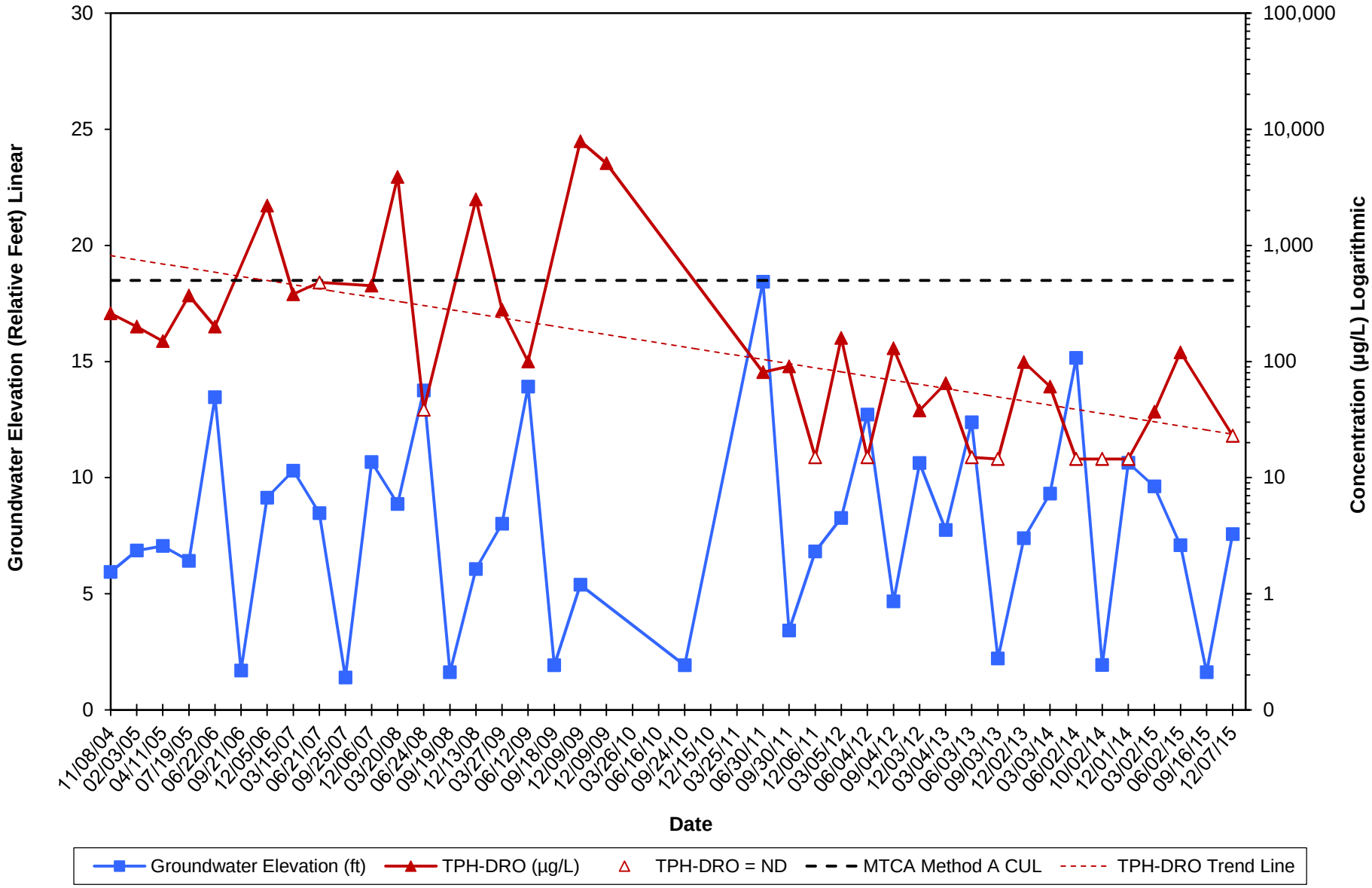
Attachment B:
Hydrographs

Well MW-5
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



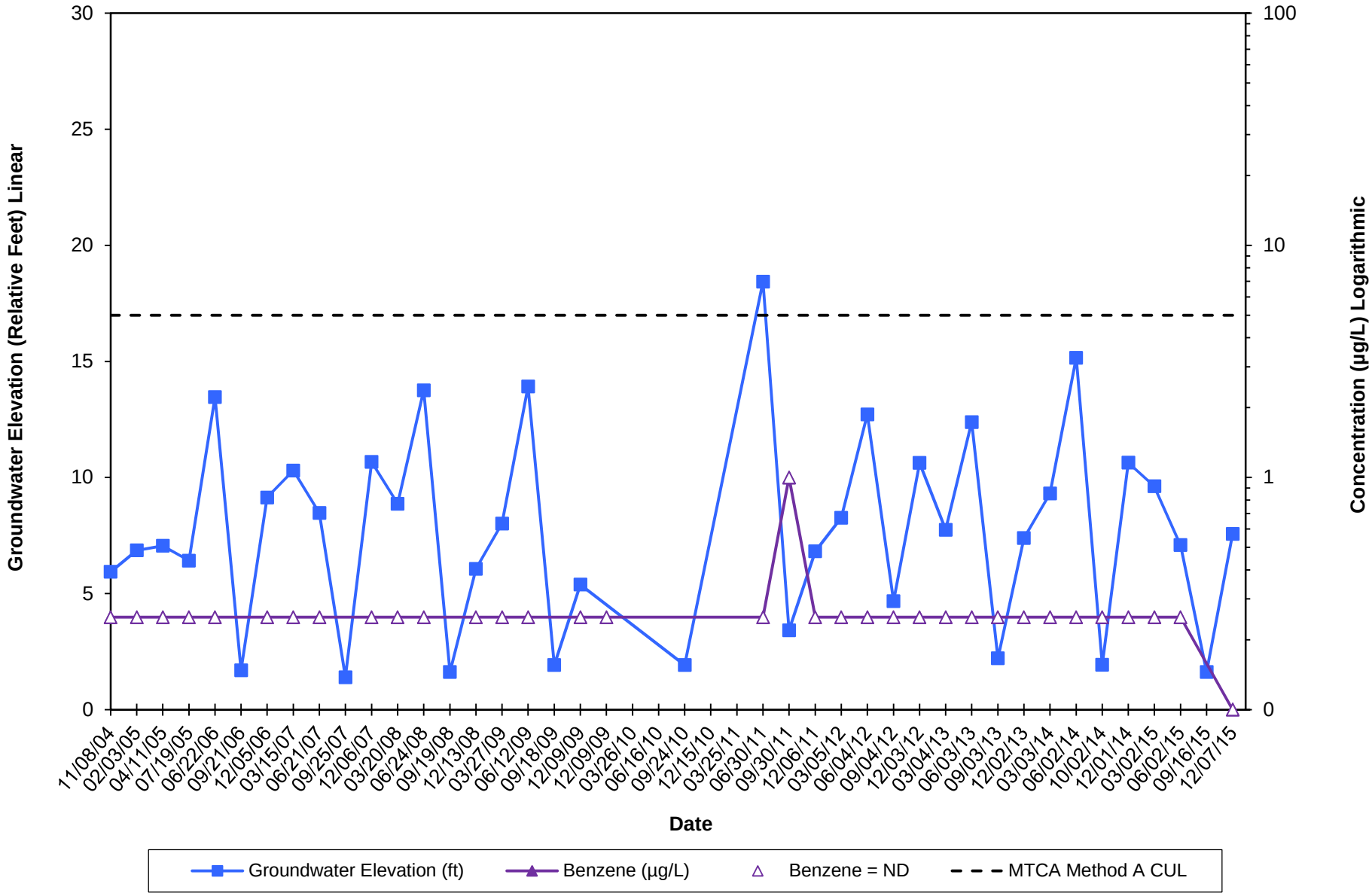
leidos

Well MW-5
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



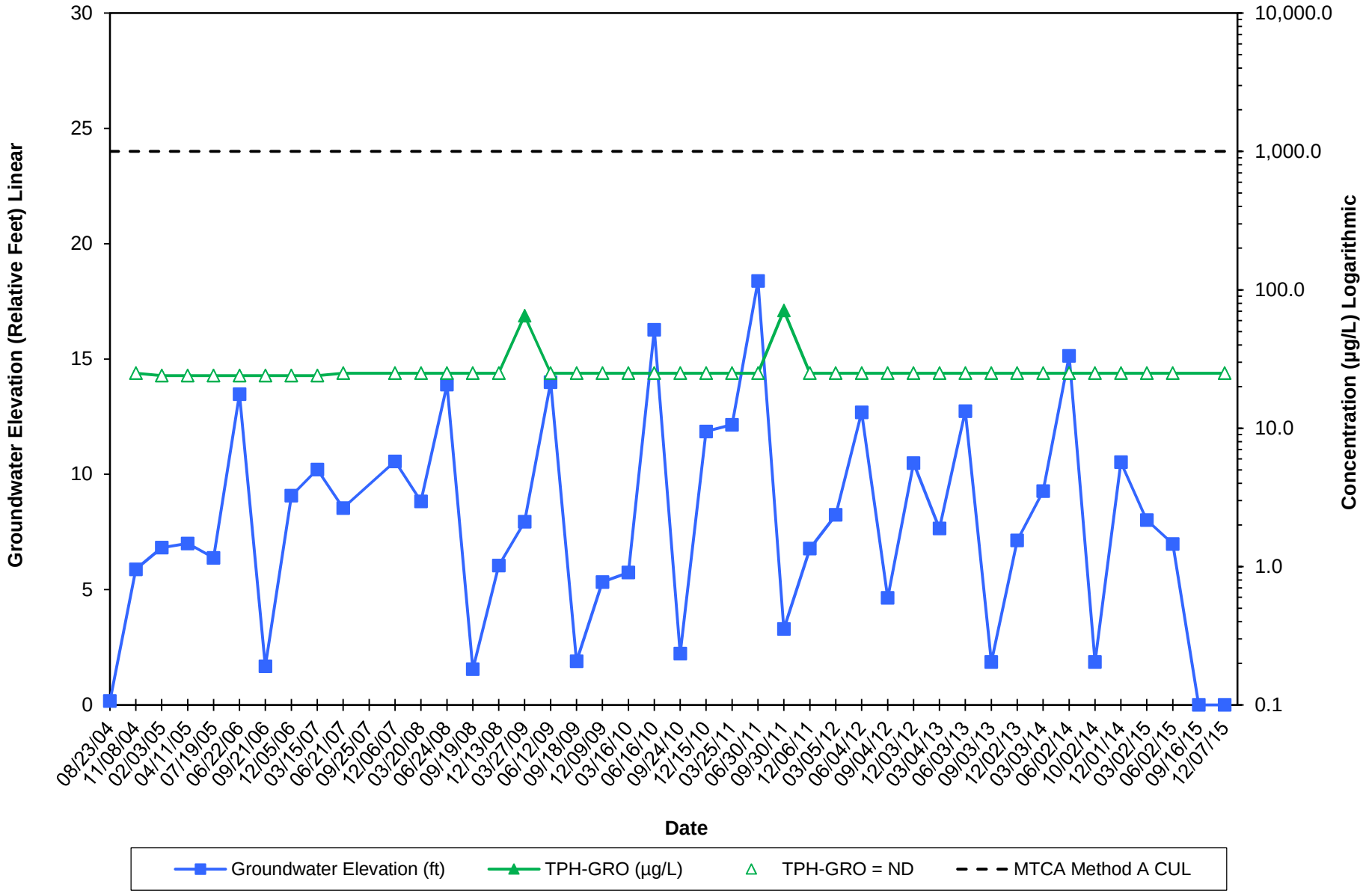
leidos

Well MW-5
Hydrograph - Benzene Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



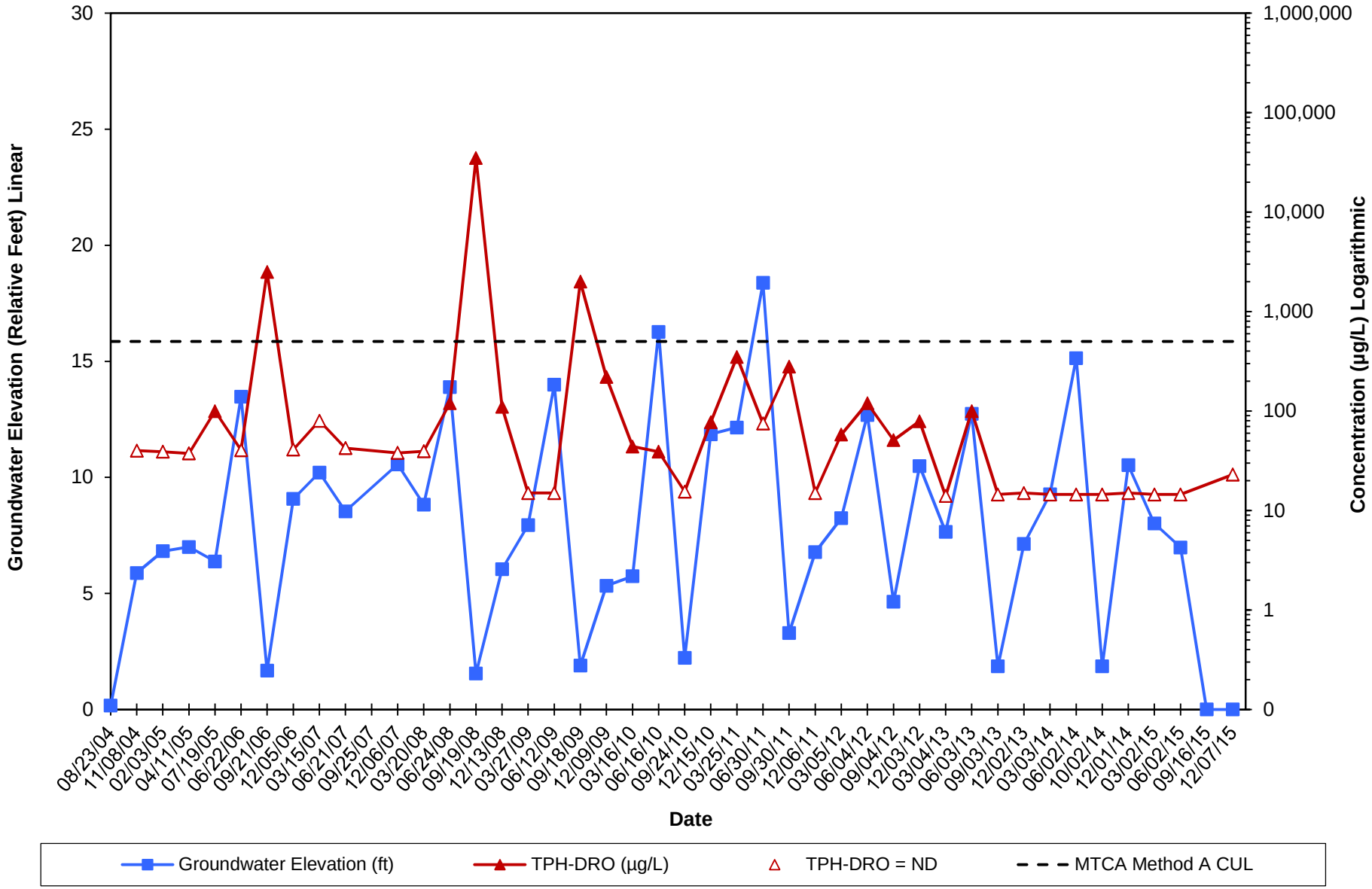
leidos

Well MW-6
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



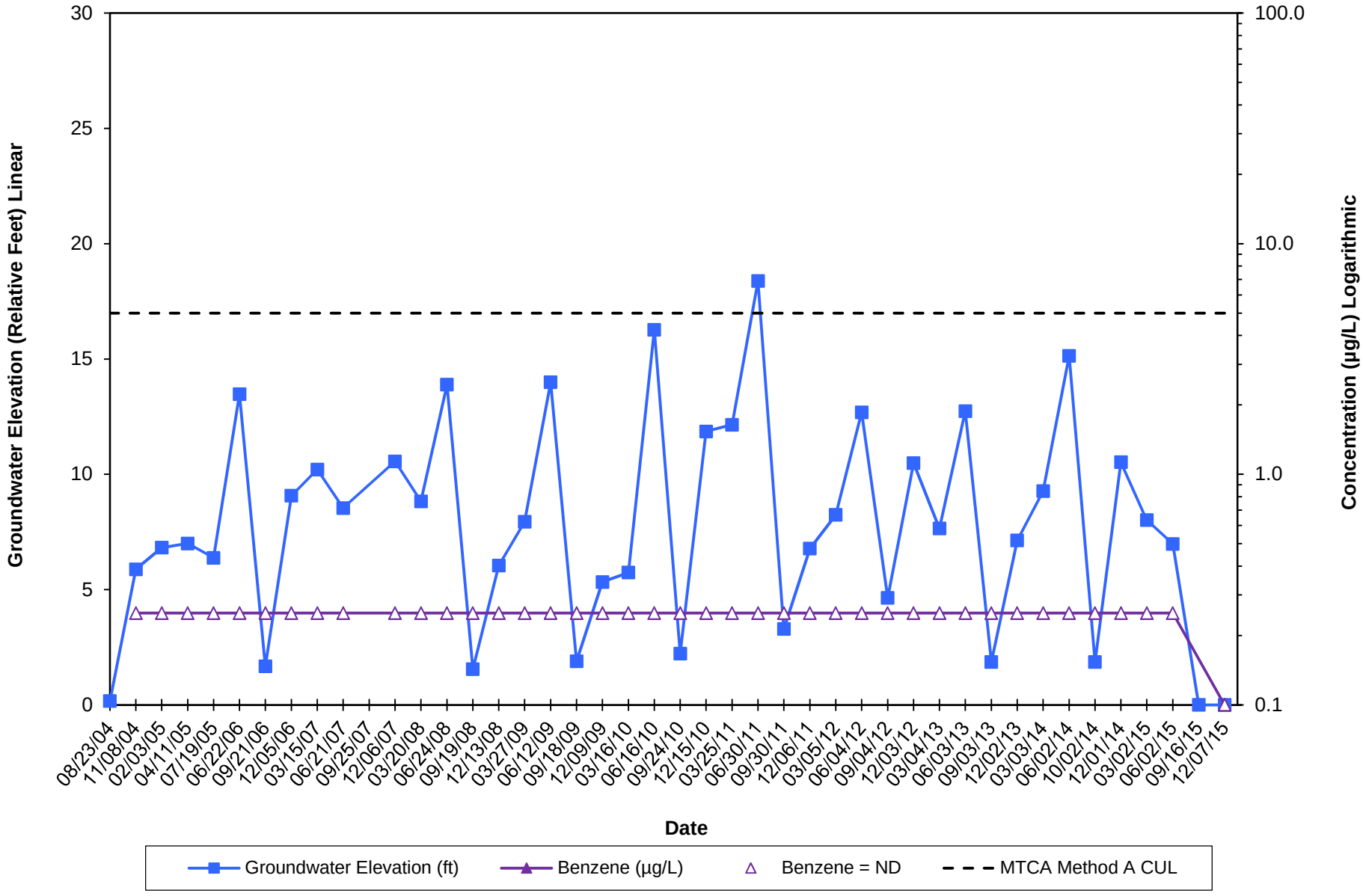
leidos

Well MW-6
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



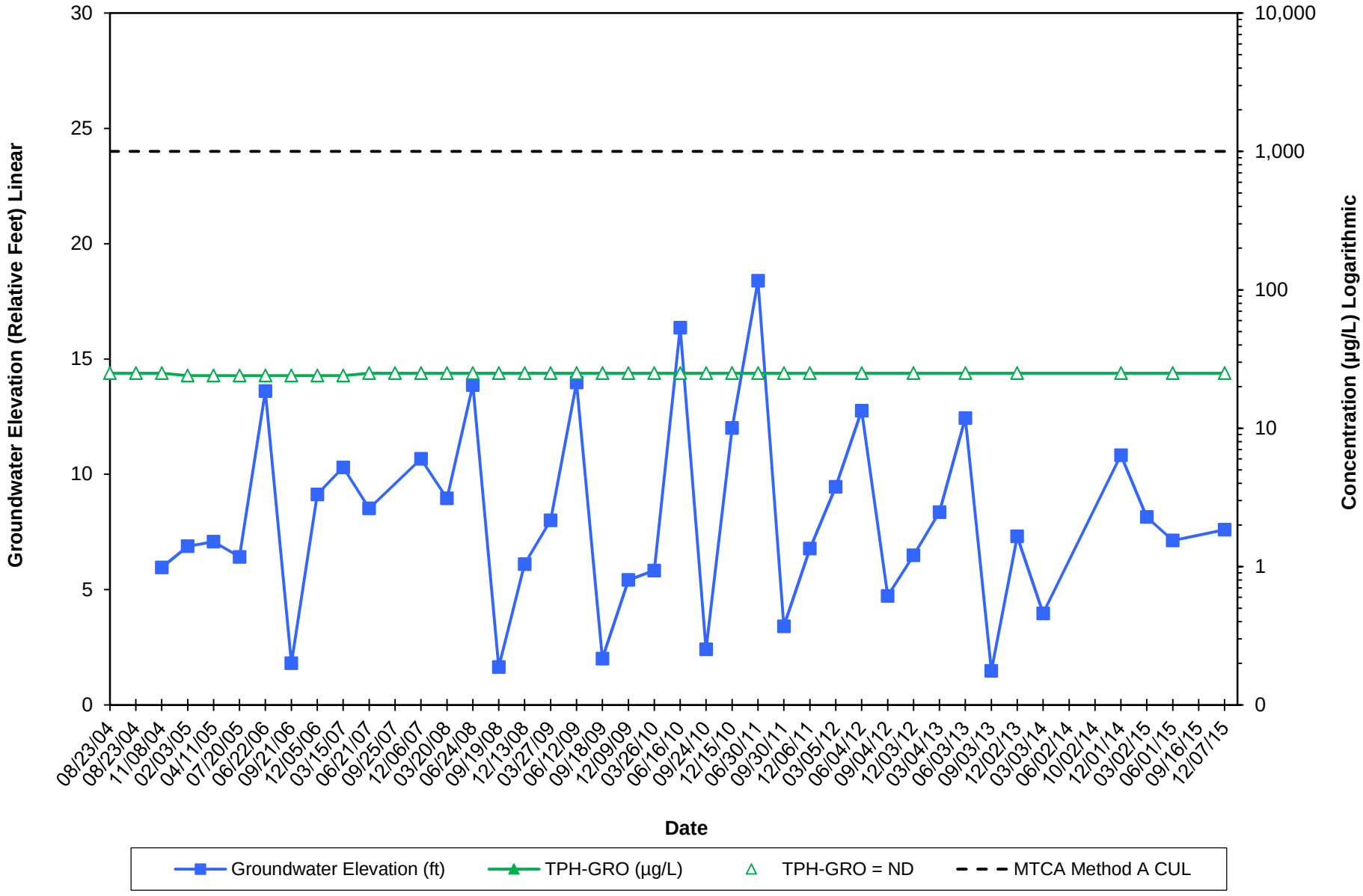
leidos

Well MW-6
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



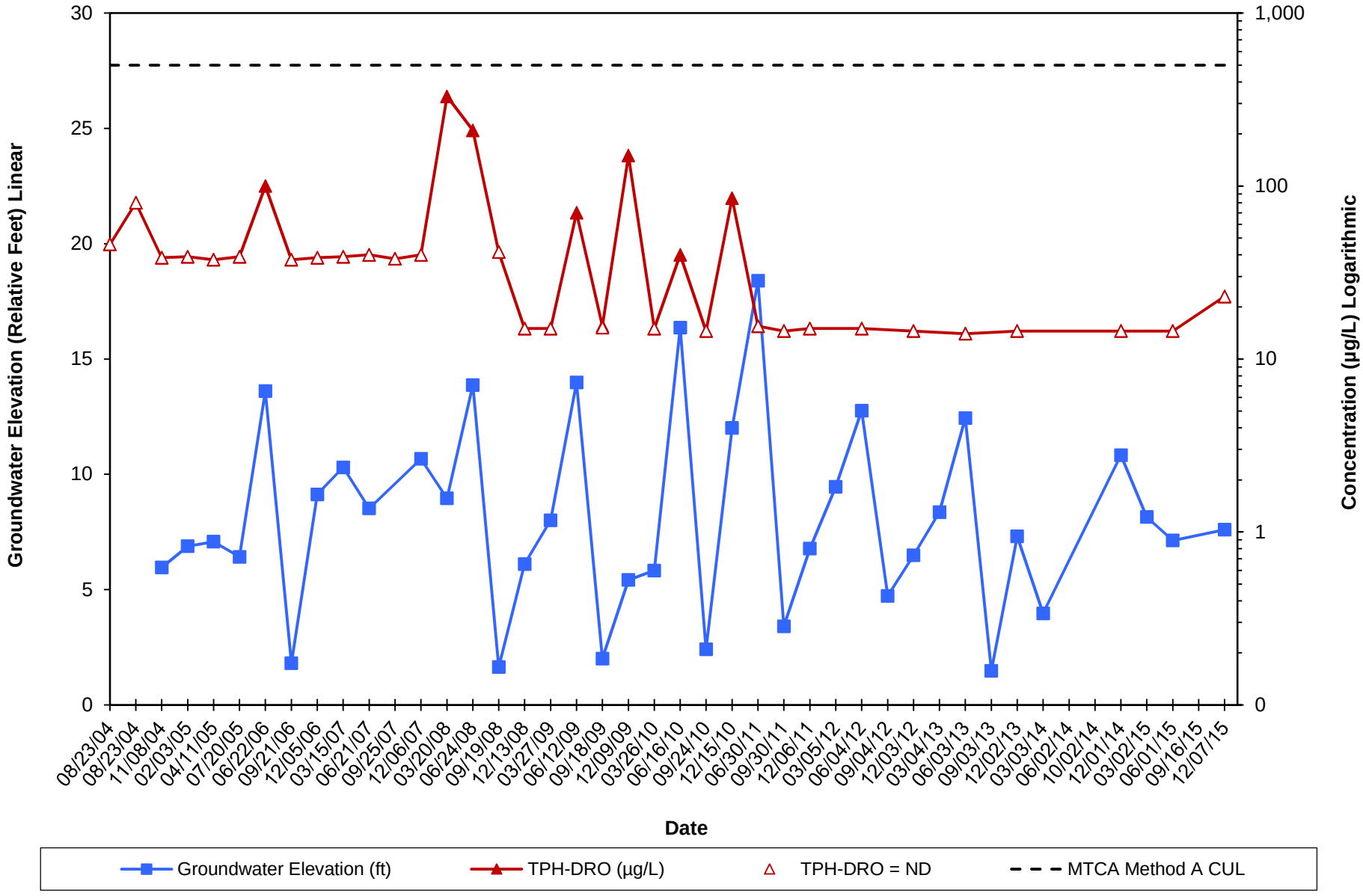
leidos

Well MW-8
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



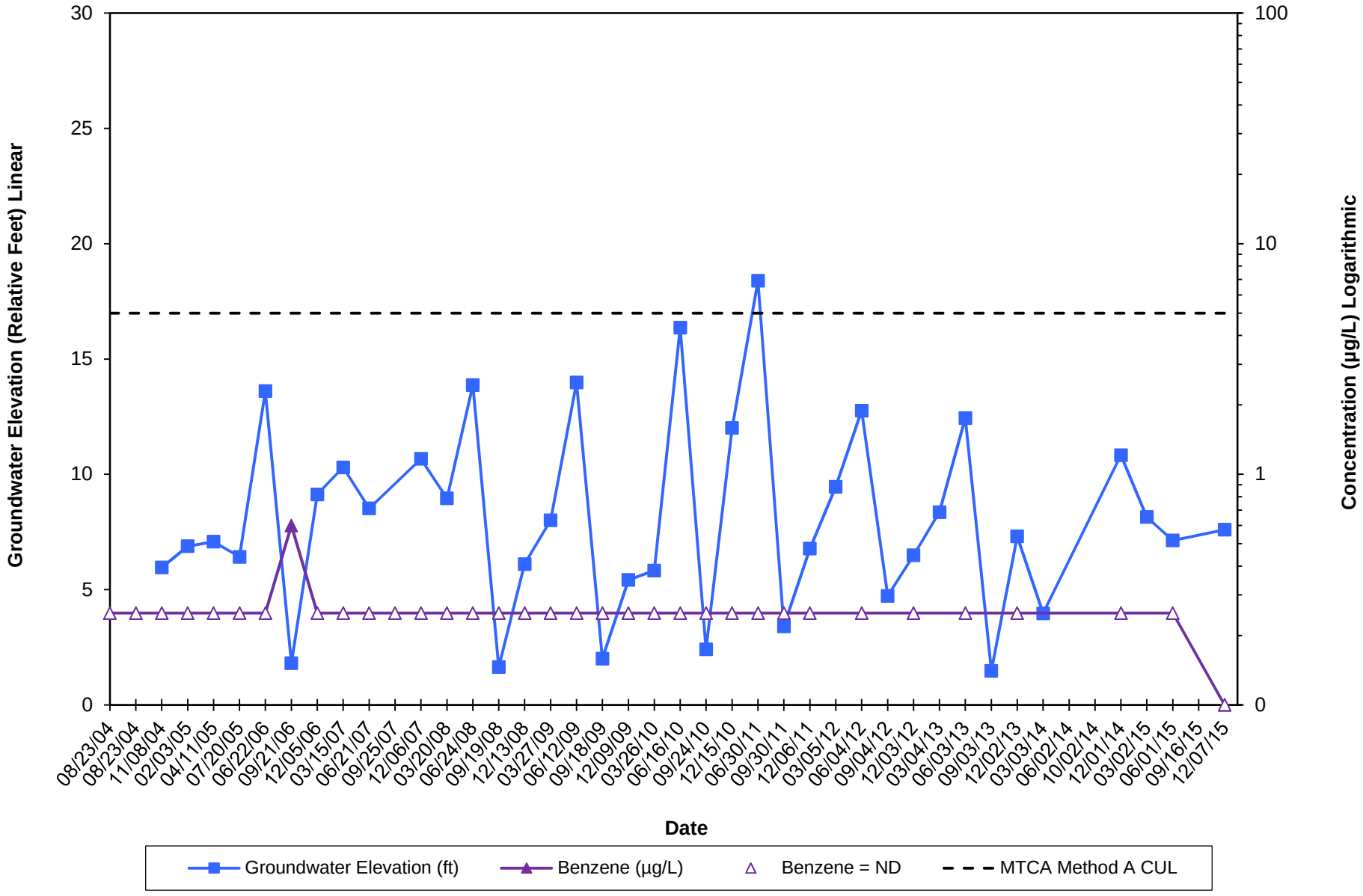
leidos

Well MW-8
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



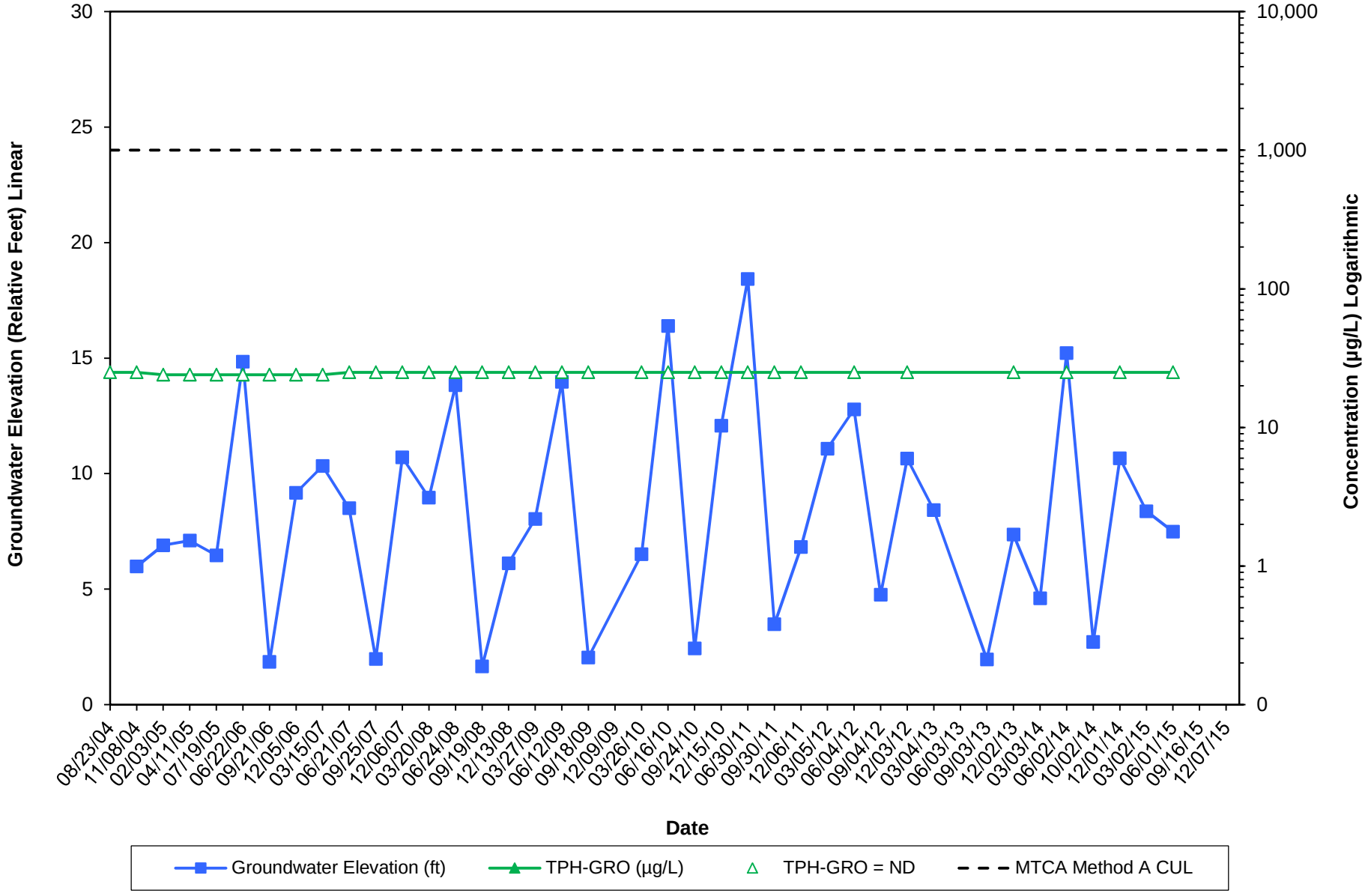
leidos

Well MW-8
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



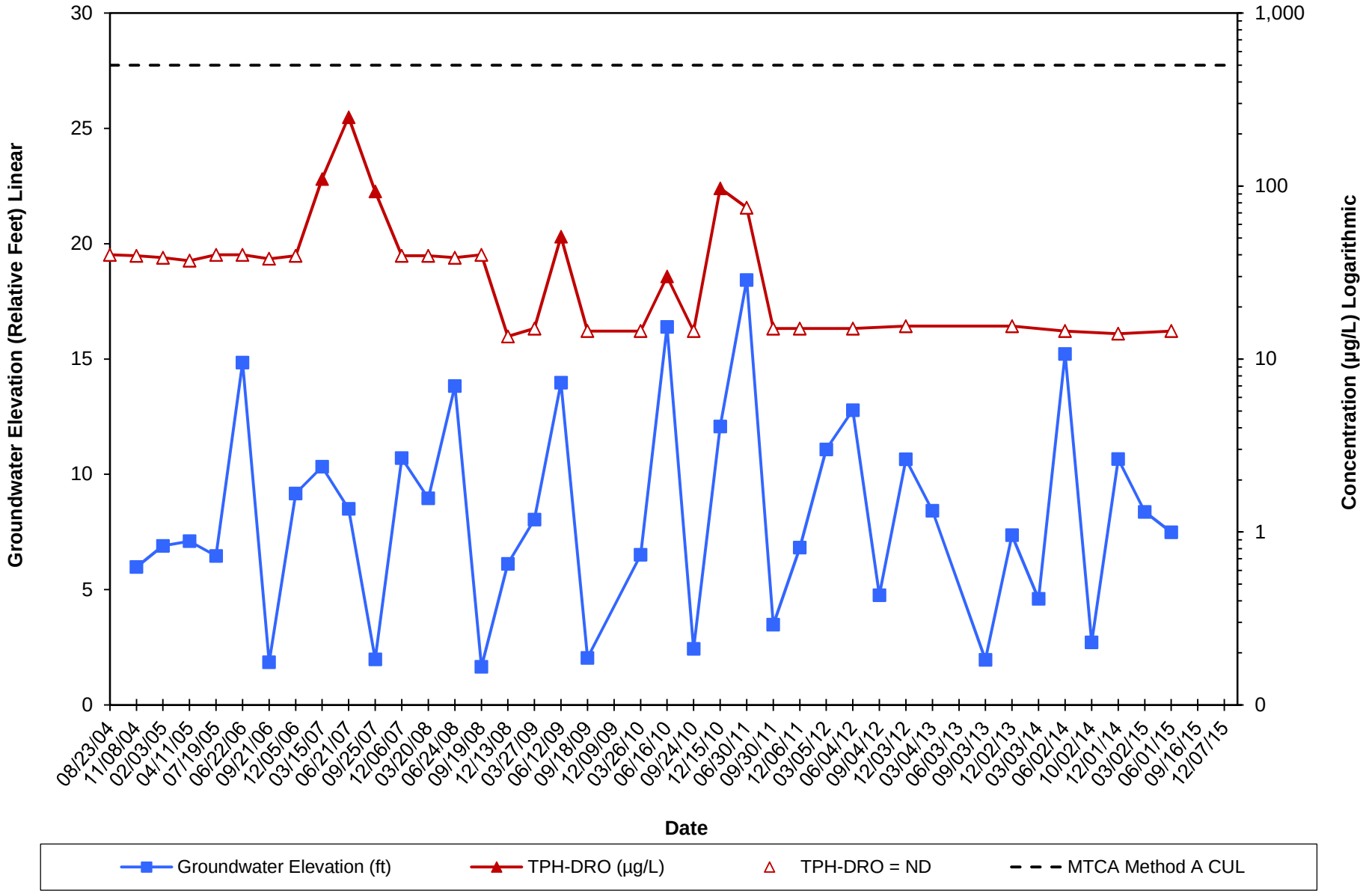
leidos

Well MW-9
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



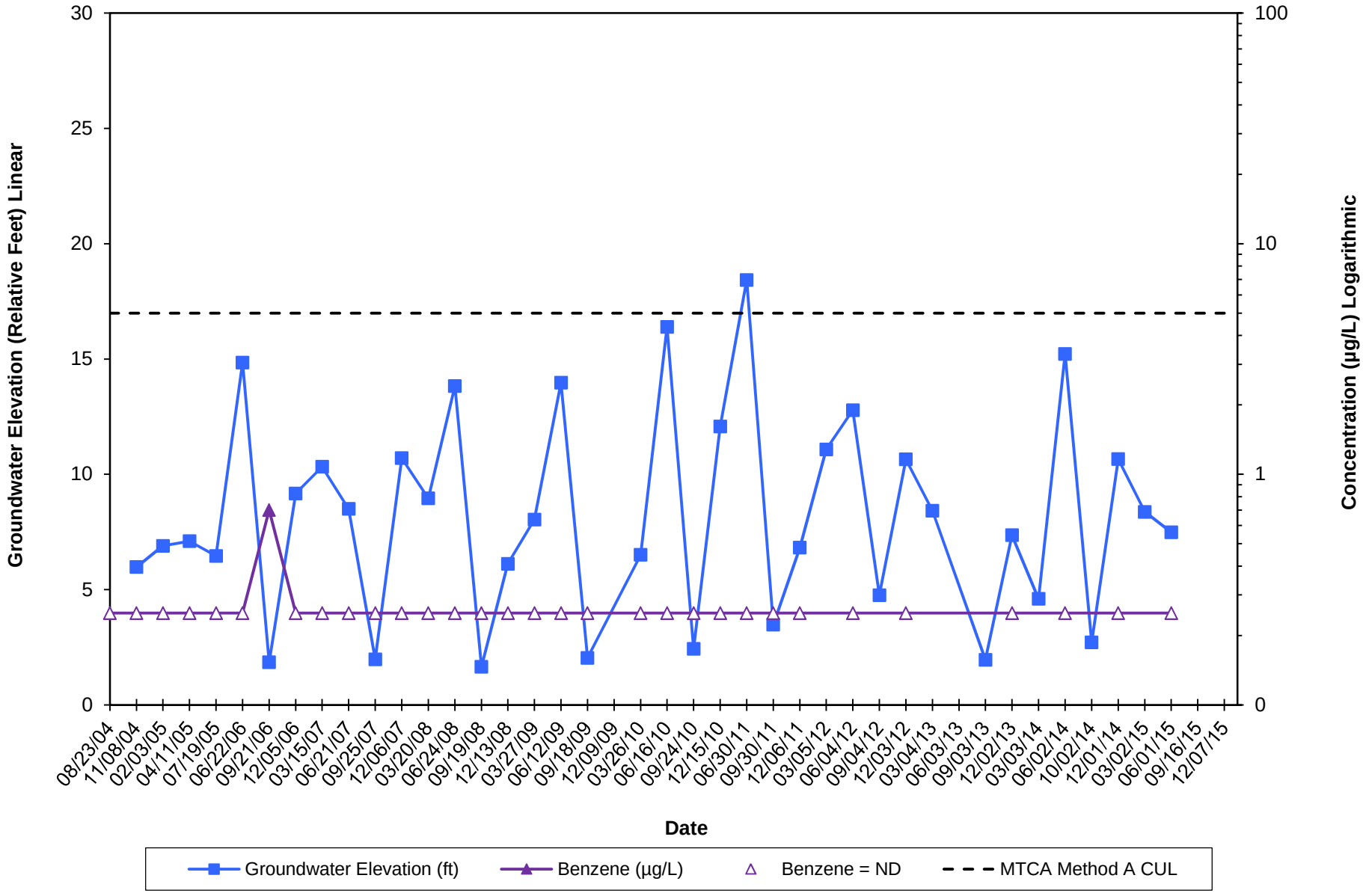
leidos

Well MW-9
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



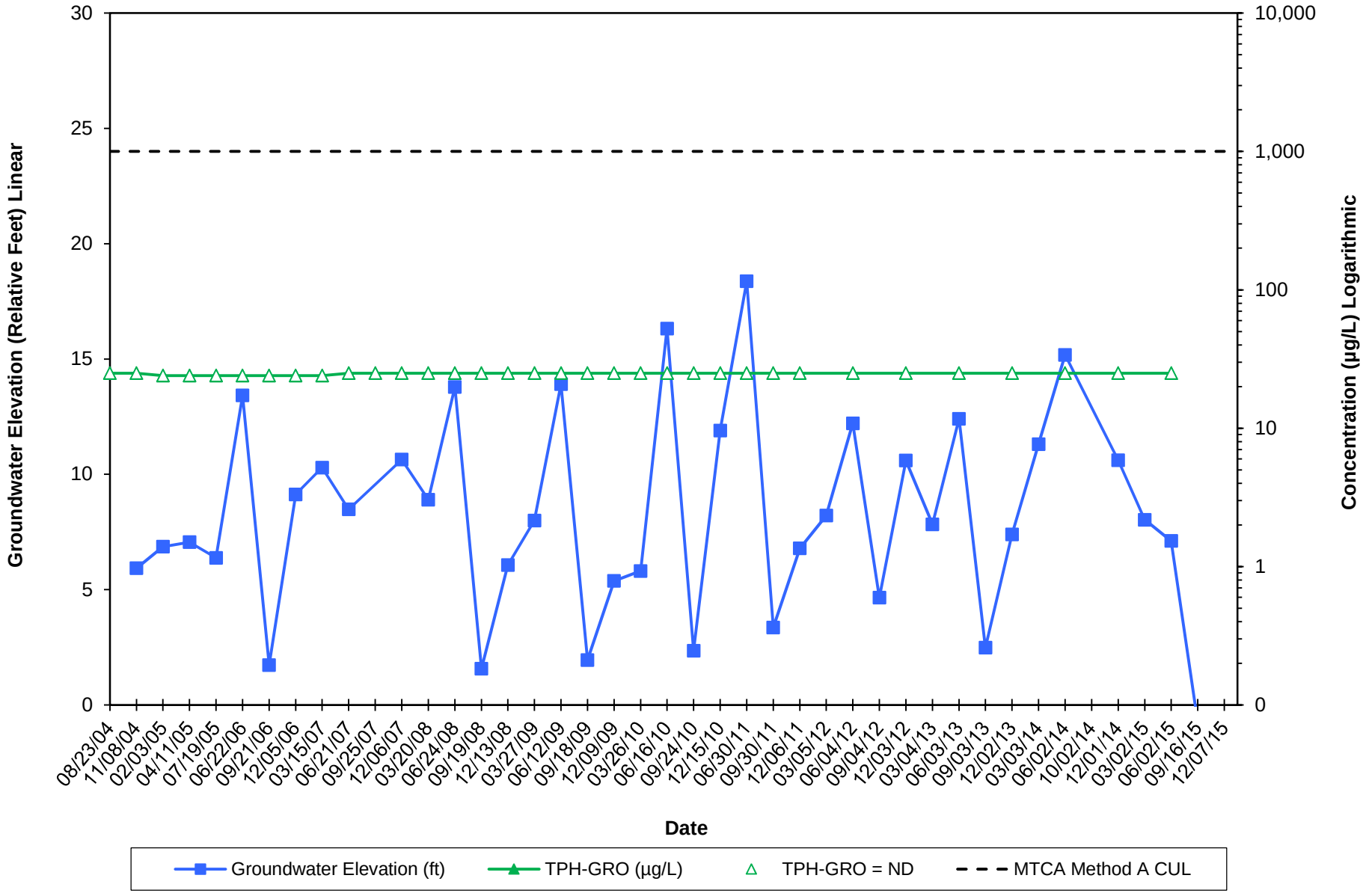
leidos

Well MW-9
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



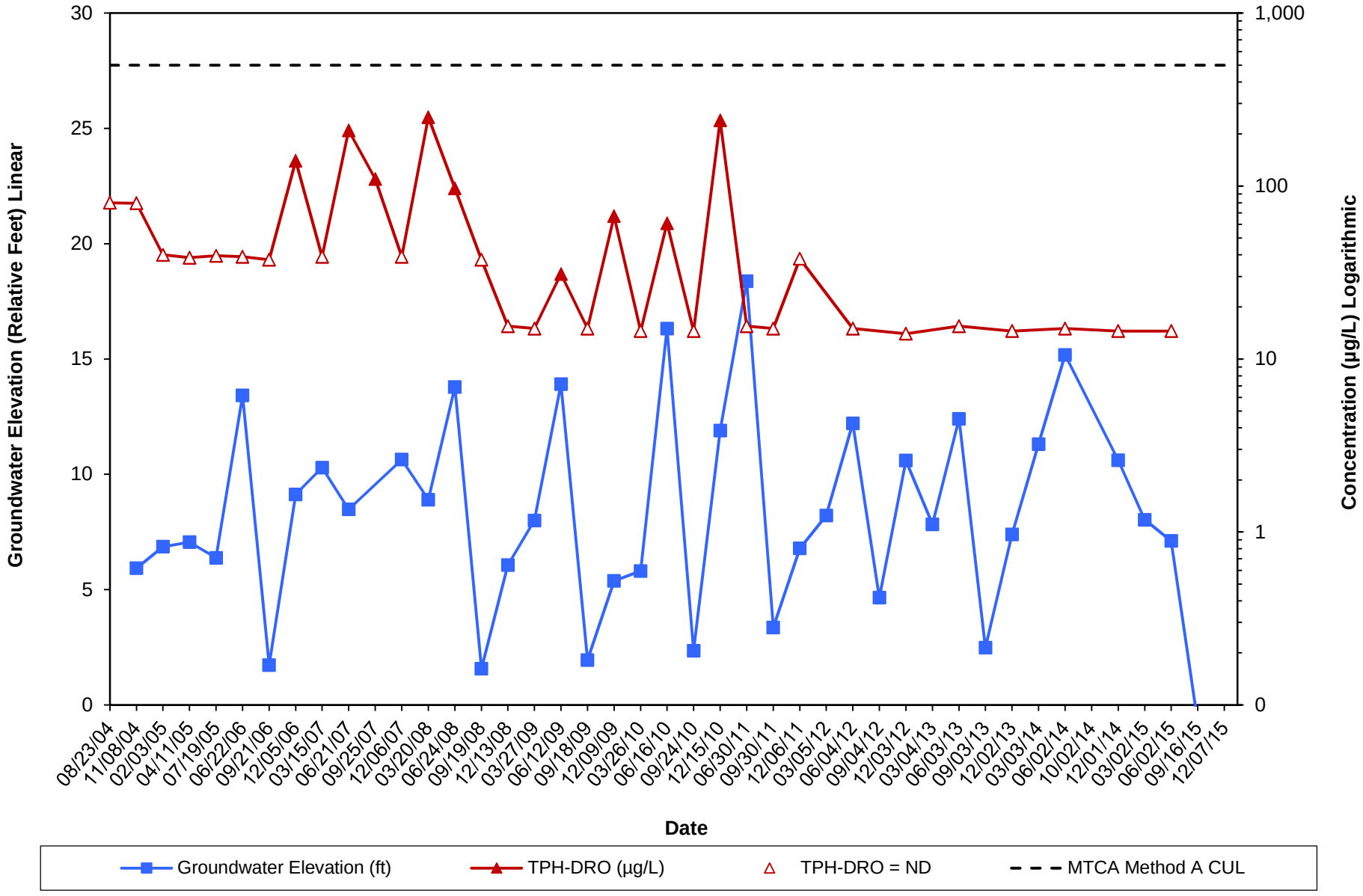
leidos

Well MW-10
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



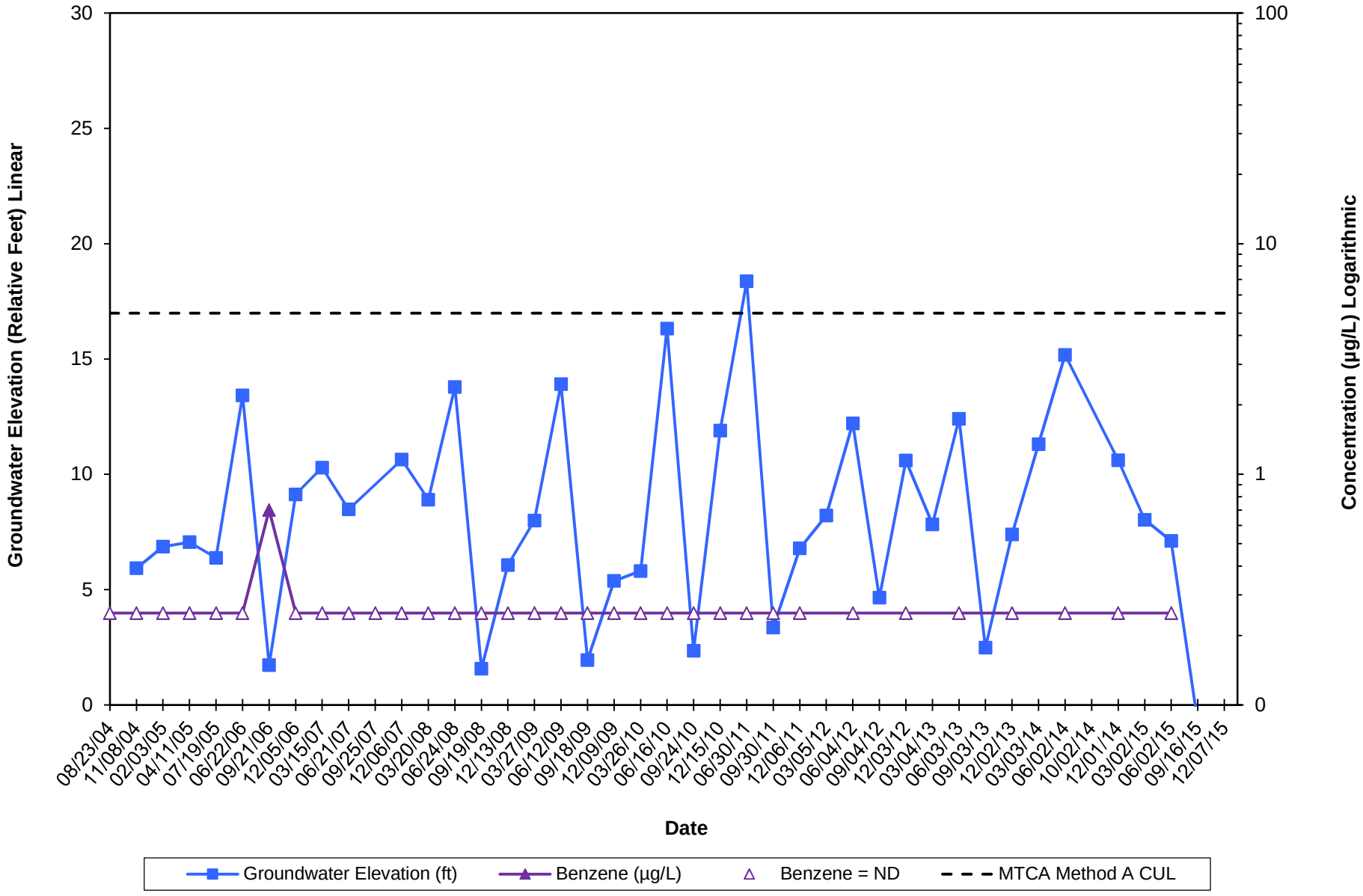
leidos

Well MW-10
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



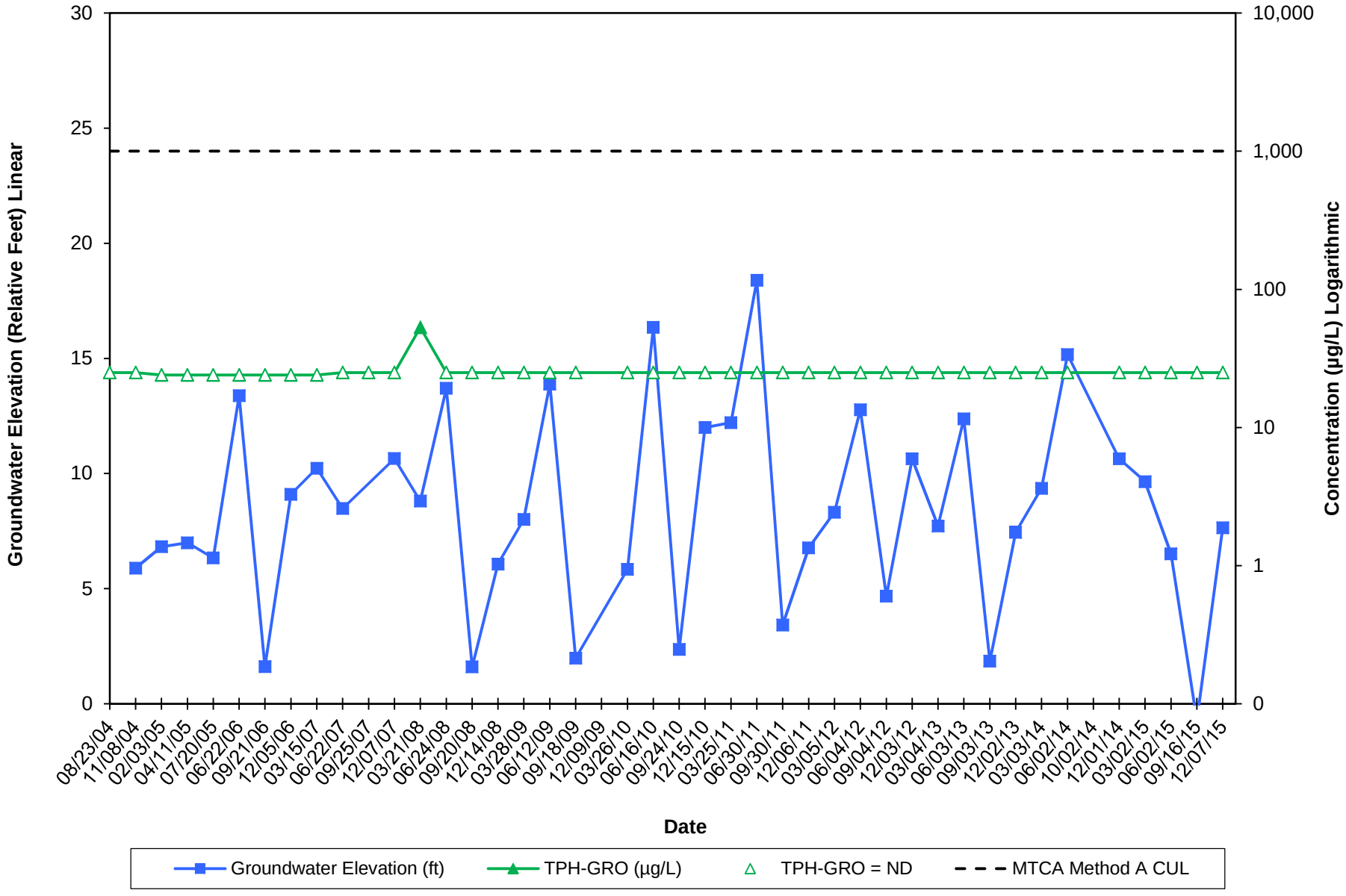
leidos

Well MW-10
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



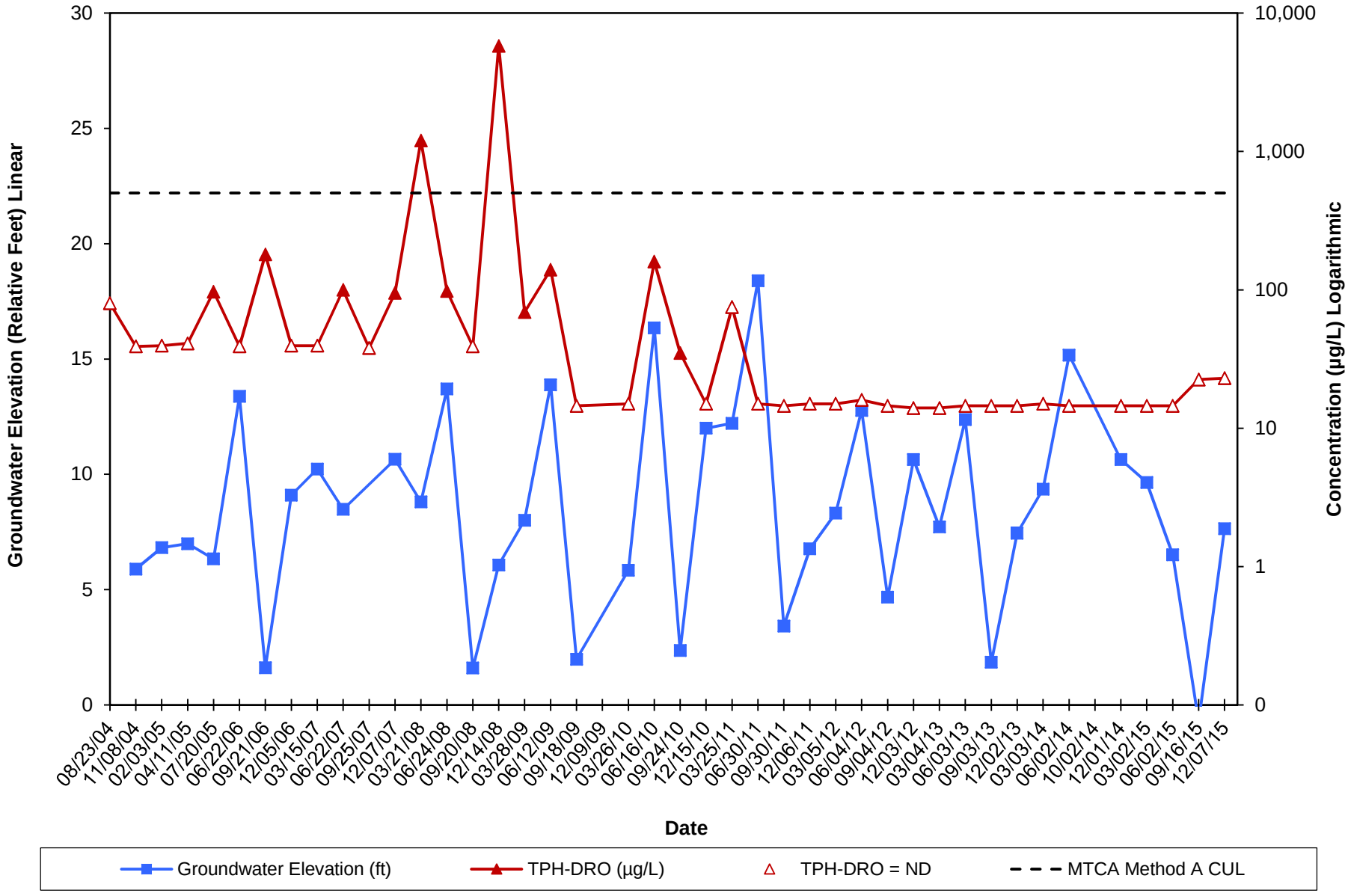
leidos

Well MW-12
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



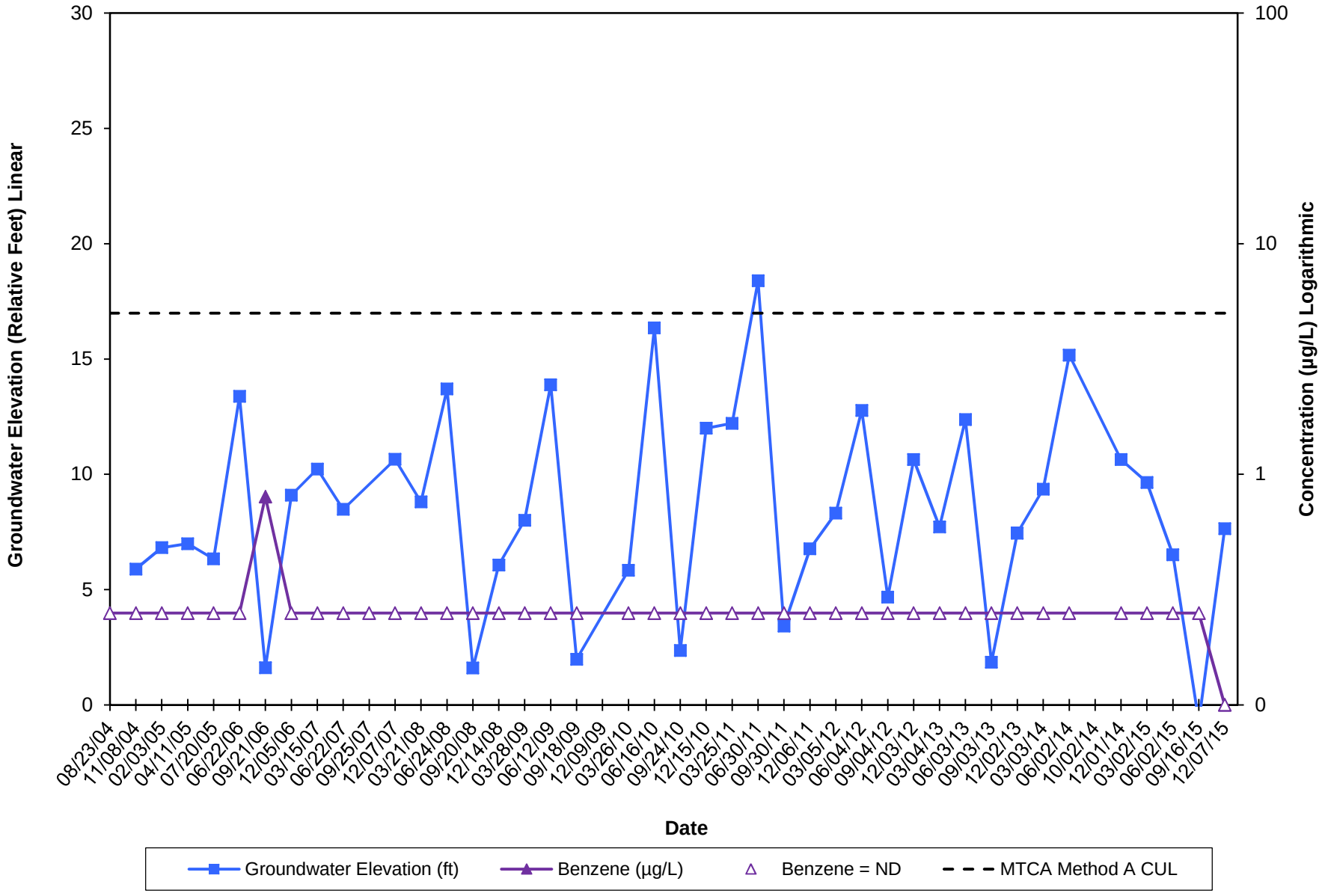
leidos

Well MW-12
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



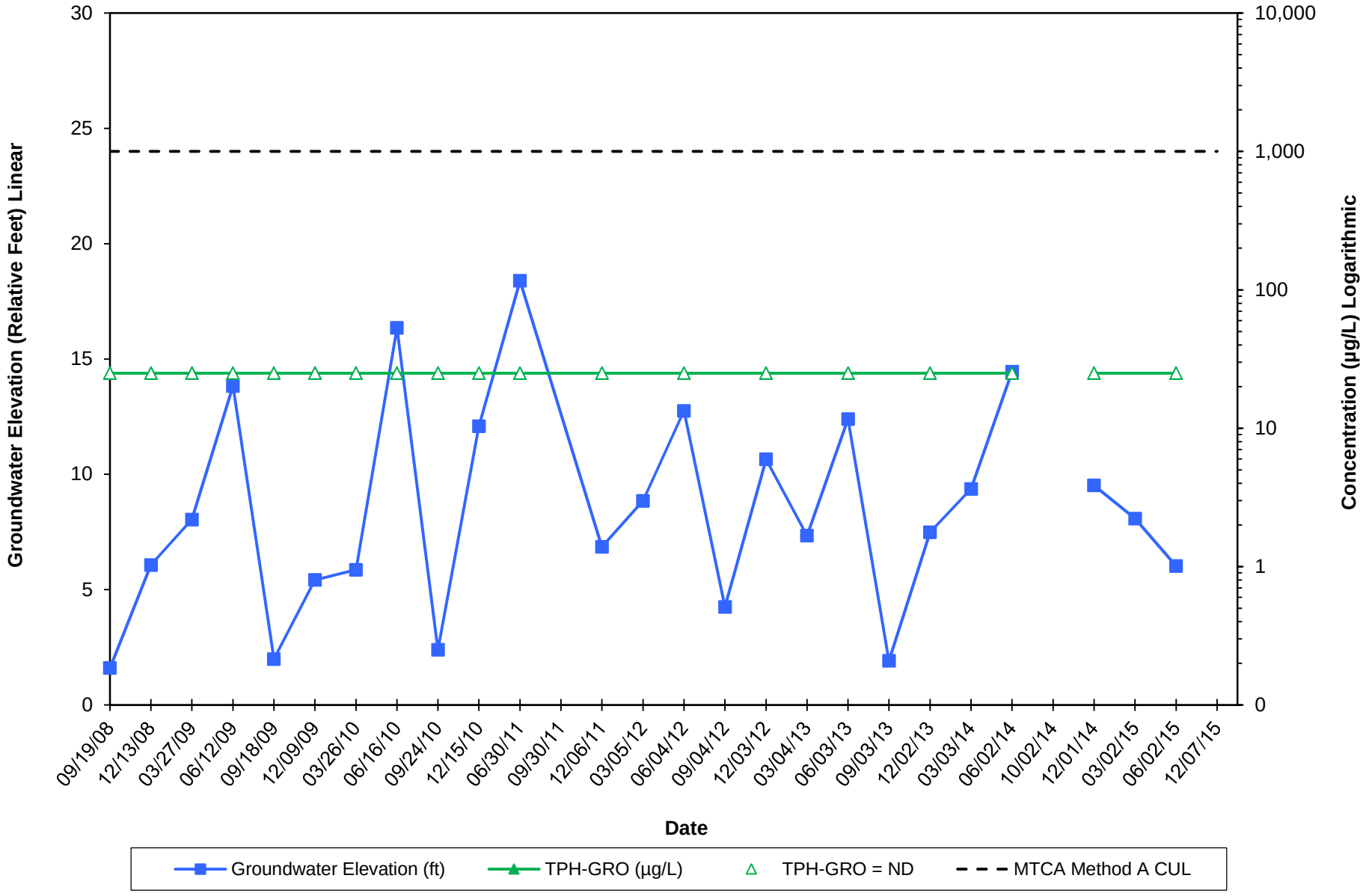
leidos

Well MW-12
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



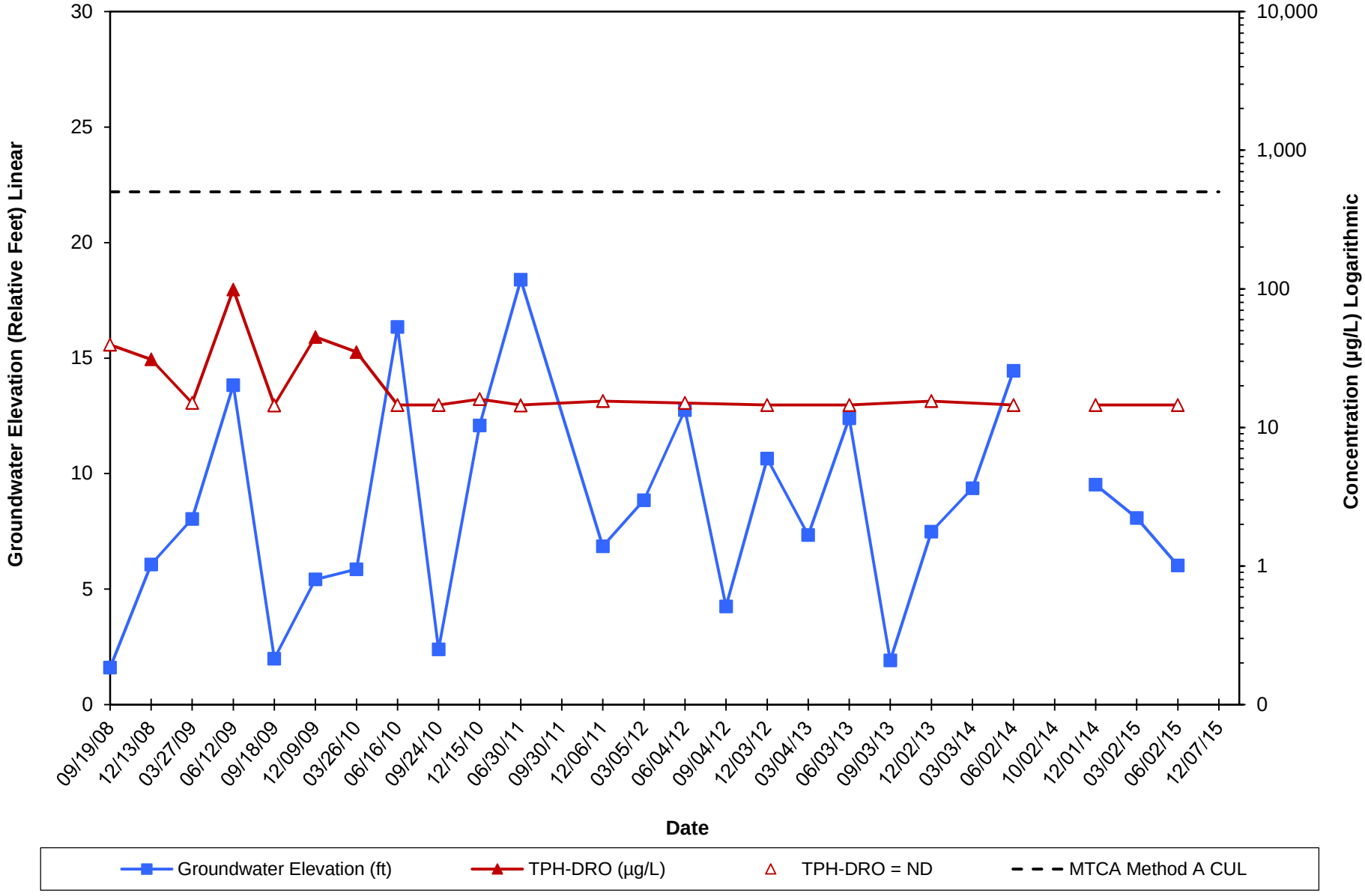
leidos

Well MW-16
Hydrograph - Gasoline-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



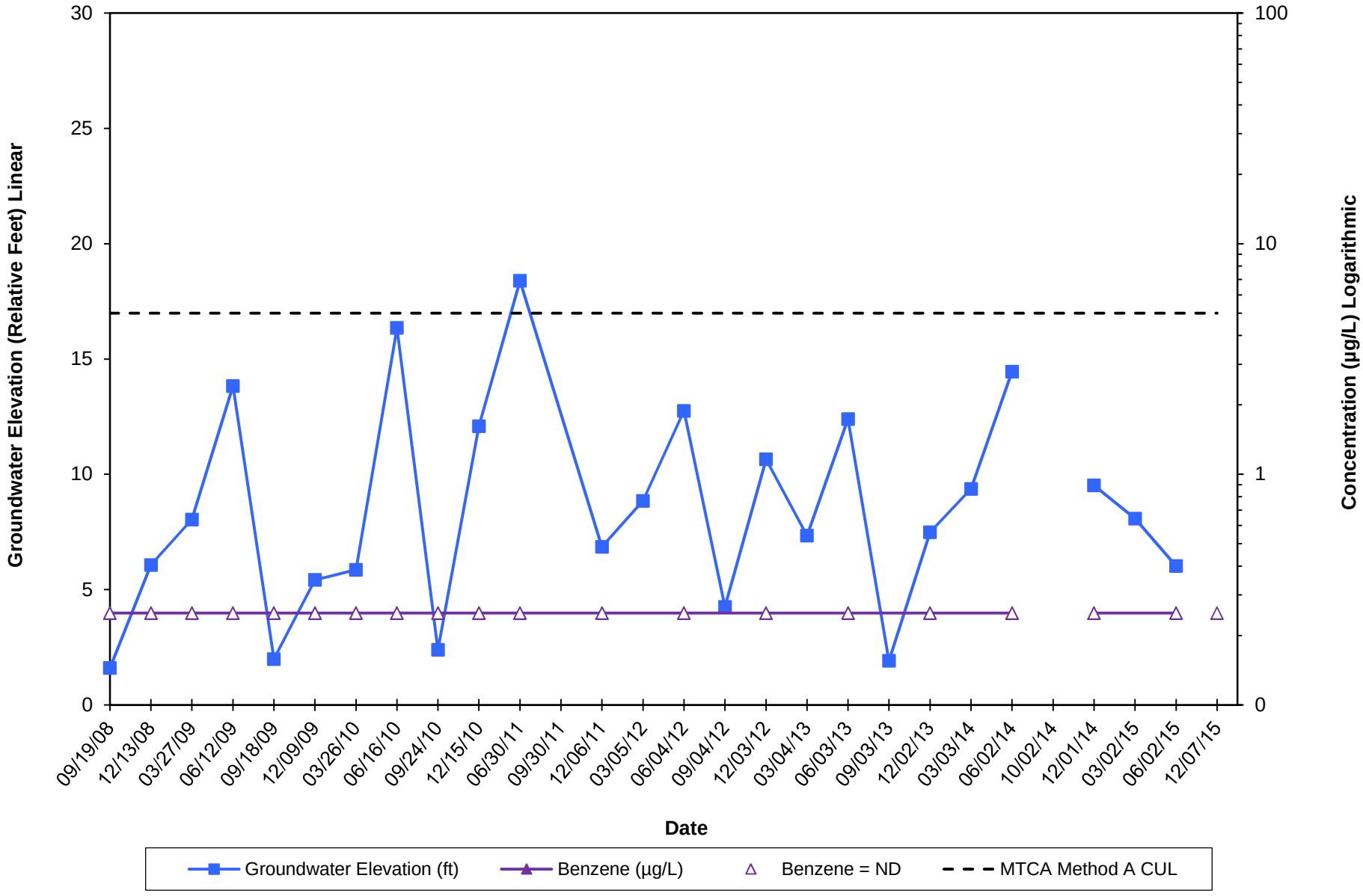
leidos

Well MW-16
Hydrograph - Diesel-Range Hydrocarbons
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



leidos

Well MW-16
Hydrograph - Benzene
Former Chevron Bulk Terminal No. 207407
612 SE Union Street, Camas, WA



leidos

Attachment C:
Laboratory Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

January 11, 2016

Project: 207407

Submittal Date: 12/12/2015
Group Number: 1616978
PO Number: 0015179108
Release Number: ROEHL

State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LL) #
QA NA Water	8174659
MW-5 Grab Groundwater	8174660
MW-6 Grab Groundwater	8174661
MW-8 Grab Groundwater	8174662
MW-12 Grab Groundwater	8174663
MW-106 Grab Groundwater	8174664

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Gettler Ryan	Attn: Deanna Harding
ELECTRONIC COPY TO	Leidos	Attn: Alex Shook
ELECTRONIC COPY TO	Leidos	Attn: Jamalyn Agyei
ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA NA Water
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174659
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 16:15	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 16:15	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 16:15	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 16:15	Jeremy C Giffin	1

Sample Description: MW-5 Grab Groundwater
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174660
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015 09:50 by JH

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESCM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	260	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	0.4	0.2	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12917	DX DRO C12-C24 w/ SiGel	n.a.	N.D.	46	1
12917	DX HRO C24-C40 w/ SiGel	n.a.	N.D.	100	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 19:30	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 19:30	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 19:30	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 19:30	Jeremy C Giffin	1
12917	DRO 250mL w/ 10g SiGel	ECY 97-602 NWTPH-Dx modified	1	153500025A	12/28/2015 14:02	Christine E Dolman	1
12924	Mini-Ext. DRO DX, Column SiGel	ECY 97-602 NWTPH-Dx 06/97	1	153500025A	12/17/2015 09:30	David S Schrum	1

Sample Description: MW-6 Grab Groundwater
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174661
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015 11:20 by JH

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESCM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12917	DX DRO C12-C24 w/ SiGel	n.a.	N.D.	46	1
12917	DX HRO C24-C40 w/ SiGel	n.a.	N.D.	100	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 20:53	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 20:53	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 20:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 20:53	Jeremy C Giffin	1
12917	DRO 250mL w/ 10g SiGel	ECY 97-602 NWTPH-Dx modified	1	153500025A	12/28/2015 14:25	Christine E Dolman	1
12924	Mini-Ext. DRO DX, Column SiGel	ECY 97-602 NWTPH-Dx 06/97	1	153500025A	12/17/2015 09:30	David S Schrum	1

Sample Description: MW-8 Grab Groundwater
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174662
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015 09:05 by JH

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESCM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12917	DX DRO C12-C24 w/ SiGel	n.a.	N.D.	46	1
12917	DX HRO C24-C40 w/ SiGel	n.a.	N.D.	100	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 21:20	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 21:20	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 21:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 21:20	Jeremy C Giffin	1
12917	DRO 250mL w/ 10g SiGel	ECY 97-602 NWTPH-Dx modified	1	153500025A	12/28/2015 14:49	Christine E Dolman	1
12924	Mini-Ext. DRO DX, Column SiGel	ECY 97-602 NWTPH-Dx 06/97	1	153500025A	12/17/2015 09:30	David S Schrum	1

Sample Description: MW-12 Grab Groundwater
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174663
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015 10:34 by JH

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12917	DX DRO C12-C24 w/ SiGel	n.a.	N.D.	46	1
12917	DX HRO C24-C40 w/ SiGel	n.a.	N.D.	100	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 21:48	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 21:48	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 21:48	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 21:48	Jeremy C Giffin	1
12917	DRO 250mL w/ 10g SiGel	ECY 97-602 NWTPH-Dx modified	1	153500025A	12/28/2015 15:12	Christine E Dolman	1
12924	Mini-Ext. DRO DX, Column SiGel	ECY 97-602 NWTPH-Dx 06/97	1	153500025A	12/17/2015 09:30	David S Schrum	1

Sample Description: MW-106 Grab Groundwater
Facility# 207407 Job# 386760
612 S.E Union St - Camas, WA

LL Sample # WW 8174664
LL Group # 1616978
Account # 11260

Project Name: 207407

Collected: 12/07/2015 by JH

Submitted: 12/12/2015 09:15
Reported: 01/11/2016 11:25

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

ESC06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	N.D.	0.2	1
02102	Ethylbenzene	100-41-4	N.D.	0.2	1
02102	Toluene	108-88-3	N.D.	0.2	1
02102	Total Xylenes	1330-20-7	N.D.	0.2	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12917	DX DRO C12-C24 w/ SiGel	n.a.	N.D.	46	1
12917	DX HRO C24-C40 w/ SiGel	n.a.	N.D.	100	1

General Sample Comments

State of Washington Lab Certification No. C457

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	15348A53A	12/15/2015 22:16	Marie D Beamenderfer	1
02102	8021 BTEX	SW-846 8021B	1	15348A53A	12/15/2015 22:16	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15348A53A	12/15/2015 22:16	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	15348A53A	12/15/2015 22:16	Jeremy C Giffin	1
12917	DRO 250mL w/ 10g SiGel	ECY 97-602 NWTPH-Dx modified	1	153510031A	12/22/2015 13:52	Christine E Dolman	1
12924	Mini-Ext. DRO DX, Column SiGel	ECY 97-602 NWTPH-Dx 06/97	1	153510031A	12/18/2015 09:30	David S Schrum	1

Quality Control Summary

Client Name: Chevron
Reported: 01/11/2016 11:25

Group Number: 1616978

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: 15348A53A	Sample number(s): 8174659-8174664	
Benzene	N.D.	0.2
Ethylbenzene	N.D.	0.2
NWTPH-Gx water C7-C12	N.D.	50
Toluene	N.D.	0.2
Total Xylenes	N.D.	0.2
Batch number: 153500025A	Sample number(s): 8174660-8174663	
DX DRO C12-C24 w/ SiGel	N.D.	45
DX HRO C24-C40 w/ SiGel	N.D.	100
Batch number: 153510031A	Sample number(s): 8174664	
DX DRO C12-C24 w/ SiGel	N.D.	45
DX HRO C24-C40 w/ SiGel	N.D.	100

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 15348A53A	Sample number(s): 8174659-8174664								
Benzene	20	20.54	20	20.65	103	103	80-120	1	30
Ethylbenzene	20.1	20.88	20.1	21	104	104	80-120	1	30
NWTPH-Gx water C7-C12	1100	1047.28	1100	1075.4	95	98	80-123	3	30
Toluene	20.2	20.92	20.2	21.07	104	104	80-120	1	30
Total Xylenes	60.2	65.49	60.2	65.82	109	109	80-120	1	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 153500025A	Sample number(s): 8174660-8174663								
DX DRO C12-C24 w/ SiGel	605	351.82	605	302.09	58	50	32-115	15	20
Batch number: 153510031A	Sample number(s): 8174664								
DX DRO C12-C24 w/ SiGel	605	348.57	605	346.61	58	57	32-115	1	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 01/11/2016 11:25

Group Number: 1616978

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8021 BTEX
Batch number: 15348A53A

	Trifluorotoluene-P	Trifluorotoluene-F
8174659	102	95
8174660	103	98
8174661	103	110
8174662	102	110
8174663	103	90
8174664	103	95
Blank	102	108
LCS	102	108
LCSD	102	108
Limits:	51-120	63-135

Analysis Name: DRO 250mL w/ 10g SiGel
Batch number: 153500025A

	Orthoterphenyl	Capric Acid
8174660	84	0
8174661	80	0
8174662	74	0
8174663	80	0
Blank	84	
LCS	85	
LCSD	82	
Limits:	50-150	0-1

Analysis Name: DRO 250mL w/ 10g SiGel
Batch number: 153510031A

	Orthoterphenyl	Capric Acid
8174664	85	0
Blank	83	
LCS	82	
LCSD	83	
Limits:	50-150	0-1

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Northwest Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11260 For Eurofins Lancaster Laboratories use only Group # 1601697S Sample # 8174659-64
Instructions on reverse side correspond with circled numbers.

SCR #: _____

(1) Client Information

Facility # SS#207407-OML G-R#386760 WBS

Site Address 612 S.E. Union Street, CAMAS, WA

Chevron PM ER LEIDOSAS Lead Consultant Alex D. Shook

Consultant/Office Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com)

Consultant Phone # (925) 551-7444 x180

Sampler Jim Herron

(4) Matrix

Soil ☐ Sediment ☐ Water ☒ Ground ☐ Potable ☐ Surface ☐ NPDES ☐ Oil ☐ Air ☐

(5) Analyses Requested

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Total Number of Containers	BTEX 8021 ☐ 8260 ☒	Naphth ☐	8260 full scan	Oxygenates ____	NWTPH-Gx (8021)	NWTPH-Dx with Silica Gel Cleanup ☒	NWTPH-Dx without Silica Gel Cleanup ☐	WA VPH ☐	WA EPH ☐	Lead Total ☐ Diss. ☐ Method ____
QA	12/7/15		X		2	X				X					
MW-5		0950			5						X	X			
MW-6		1120										X			
MW-8		0905										X			
MW-12		1034										X			
MW-106	↓	-	↓		↓	↓				↓	↓	X			

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run _____ oxy's on highest hit
☐ Run _____ oxy's on all hits

(6) Remarks

Please run Dx samples with AND without silica gel. Please report results for Dx without silica gel separately. Please use 3 gram silica gel cleanup on samples requesting cleanup.

Add Dx ~~w/silica~~ 12/15/15 per MWC

Please forward lab results directly to the LC and cc: G-R.

AC

(7) Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | EDF/EDD | 72 hour | 48 hour | 24 hour

(8) Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)
CVX-RTBU-FI_05 (default)
Other: _____

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	12/7/15	2000	[signature]	12/10/15	10:45
[signature]	12/7/15				

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Received by [signature] Date 12/12/15 Time 915

Temperature Upon Receipt 0.7-2.9 °C

Custody Seals Intact? Yes No

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 130137

Group Number(s): 1616978

Client: Leidos

207407

Delivery and Receipt Information

Delivery Method:	SeaTac	Arrival Timestamp:	12/12/2015 9:15
Number of Packages:	7	Number of Projects:	4
State/Province of Origin:	WA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	No	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jordan Woods (6698) at 14:57 on 12/12/2015

Samples Chilled Details: 207407

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.3	DT	Wet	Y	Bagged	N
2	DT121	1.2	DT	Wet	Y	Bagged	N
3	DT121	1.4	DT	Wet	Y	Bagged	N
4	DT121	2.6	DT	Wet	Y	Bagged	N
5	DT121	2.9	DT	Wet	Y	Bagged	N
6	DT121	0.7	DT	Wet	Y	Bagged	N
7	DT121	1.5	DT	Wet	Y	Bagged	N

Samples Not Intact Details: 207407

Sample ID on Label	Bottle Code	Bottle Quantity	Container Salvageable?	Comments
MW-6	250 ml round amber glass - HCl	1	N	

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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