

October 7, 2019

TECHNICAL MEMORANDUM

To: Steve Clough
Nevada Environmental Response Trust

From: John Pekala, CEM#2347, Expires 9/20/2020, Ramboll
Chris Stubbs, Gregory Kinsall, Anne Gates, and Elizabeth Miesner, Ramboll

Re: **Phase 3 RI Modification No. 9
Proposed Soil Gas Sampling in OU-1 and OU-2
Nevada Environmental Response Trust Site
Henderson, Nevada
Ramboll Project No. 1690011200-050**

This Technical Memorandum presents Ramboll US Corporation’s (Ramboll’s) Modification No. 9 to the scope of work for the Phase 3 Remedial Investigation (RI) currently in progress at the Nevada Environmental Response Trust (NERT) Site (the “Site”) located in Henderson, Nevada. Volatile organic compounds (VOCs) were identified in previous soil gas and shallow groundwater sampling conducted in OU-1 and OU-2 by others and as part of Phase 1 and Phase 2 of NERT’s RI. Additional data is necessary to delineate the horizontal and vertical extent of VOCs in soil gas to complete the RI and to evaluate human health risks as part of the Baseline Human Health Risk Assessment (BHRA), as described in the NERT Remedial Investigation and Feasibility Study (RI/FS) Work Plan (RI/FS Work Plan).¹ This modification proposes additional soil gas sampling for VOCs at locations identified in OU-1 and OU-2.

Previous Groundwater and Soil Gas Results

Soil gas samples have previously been collected in OU-1 and OU-2 during the 2008 Phase B Source Area Investigation soil gas survey conducted by ENSR.² The results from the 2008 sampling were discussed in the 2010 Site-Wide Soil Gas Human Health Risk Assessment Report prepared by Northgate.³ During the NERT Phase 1 RI in 2015, soil gas samples were collected at three locations (RISG-1, RISG-2, and RISG-3) in OU-2. As part of Phase 2 RI Modification No. 11 submitted to NDEP in June 2018 (Modification 11),⁴ these three locations were resampled and an additional 31 locations in OU-1 and OU-2 were sampled in March 2019. Soil gas samples were typically collected at depths of 5 and 15 feet bgs, except in a few locations in the residential area northeast of Boulder Highway where the

¹ ENVIRON. 2014. Remedial Investigation and Feasibility Study Work Plan, Revision 2, Nevada Environmental Response Trust Site, Henderson Nevada, June 19. NDEP approved July 2, 2014.

² ENSR. 2008. Phase B Source Area Investigation Work Plan, Soil Gas Survey, Tronox LLC Facility, Henderson, Nevada, March. NDEP approved on March 26, 2008.

³ Northgate and Exponent. 2010. Site-Wide Soil Gas Human Health Risk Assessment, Tronox LLC, Henderson, Nevada, November 22.

⁴ Ramboll. 2018. RI Phase 2 Modification No. 11 Recommended Soil Gas Sampling Locations, Nevada Environmental Response Trust Site, Henderson, Nevada. May. Approved by NDEP on June 21, 2018.

deeper probes were installed between 10 and 13 feet bgs due to the presence of shallow groundwater. There were also 5 locations where only a 5-ft probe could be installed due to very shallow groundwater. The soil gas locations are shown on Figure 1. Tables 1a and 1b provide the 2015 and 2019 soil gas sampling results for all detected VOCs in OU-1 and OU-2, respectively. Figure 1 also shows the location of shallow water table wells in OU-1 and OU-2, as well as an isoconcentration map of chloroform concentrations in shallow groundwater. Tables 2a, 2b, and 2c provide recent groundwater sampling results over the period 2015-2018 for all detected VOCs (chloroform only for non-NERT wells).

Proposed Soil Gas Investigation

Upon evaluation of the 2019 soil gas sampling results, Ramboll has determined that additional soil gas samples are necessary to delineate the horizontal and vertical extent of VOCs in soil gas both to characterize the Site as required for completion of the OU-1/OU-2 RI and to assess potential vapor inhalation pathways and receptors as part of the OU-1/OU-2 BHRA. In addition to soil gas data, the vapor intrusion pathway will also be evaluated using groundwater data, as described in the BHRA Work Plan.⁵ The existing groundwater data is sufficient and only additional soil gas data will be collected. Consistent with the scope of work for the NERT RI, the soil gas investigation in OU-2 is limited to the area west of Pabco Road. The proposed scope of work consists of the following:

- OU-1: Install 24 soil gas probes (one at 5 feet bgs and one at 15 feet bgs) at 12 locations (RISG-79 through RISG-90). Five of the proposed sample locations are located in the vicinity of Unit Buildings 1 through 6, two of the proposed sample locations are in the central portion of the Site, and the remaining five proposed sample locations are in the northern portion of the Site, generally around the GW-11 pond.
- OU-2: Install 54 soil gas probes within OU-2 west of Pabco Road (one at 5 feet bgs and one at 15 feet bgs) at 27 locations (RISG-52 through RISG-78). Twenty-three of the proposed sample locations are within the residential area northeast of Boulder Highway, three proposed locations are within commercial areas north of Sunset Road, and one proposed location is within a commercial area southwest of Boulder Highway.

After installation, Ramboll will sample the 78 new soil gas probes and resample the original 63 probes installed under Modification 11. As with the probes installed under Modification 11, the new soil gas probes will be permanent so that they can be resampled in the future if necessary.

Details regarding the proposed location of the soil gas samples are summarized in Tables 3, 4, and 5 with proposed sample locations provided in Figure 1. Proposed sample locations and depths may be adjusted in the field based on utility clearances, access constraints, drilling refusal, or depth to groundwater.

⁵ Ramboll. 2018. Baseline Health Risk Assessment Work Plan for OU-1 and OU-2 Soil Gas and Groundwater, Revision 1. December 18. NDEP approved on January 24, 2019.

Soil gas samples will be collected using the procedures specified in Modification No. 11, approved by NDEP on June 21, 2018. Soil gas samples will be analyzed for VOCs using USEPA Method TO-15. Consistent with the data collection effort of Modification 11, the drilling and sampling methods to be used will follow those provided in the Phase 1 RI Field Sampling Work Plan.⁶ Soil gas results will be evaluated by comparing them to the site-specific risk-based screening levels that have previously been discussed with NDEP and EPA.

Reporting

With respect to soil gas data to be collected as described in this RI modification, data will be evaluated upon the completion of laboratory analysis and data validation. If the dataset is deemed complete (i.e., nature and extent fully defined), the results from the Modification 11 sampling and the additional soil gas sampling described herein will be evaluated in the separate OU-1 and OU-2 BHRAs for soil gas and groundwater currently in progress. If the dataset is still deemed incomplete, an additional RI modification will be proposed to collect additional data.

Schedule

The overall schedule to implement the scope of work described in this RI modification is anticipated to be 20 weeks. However, unexpected delays in obtaining access to sampling locations or unexpected difficult field conditions could affect the planned schedule presented below:

Within four weeks after approval of this modification, NERT will negotiate access with the City of Henderson and EMD for soil gas samples. Concurrent with these negotiations, Ramboll will prepare for field sampling activities, including mobilizing drilling and sampling equipment. Following completion of access negotiations, the soil gas probes will be installed and soil gas samples collected, which is expected to be completed within a period of four weeks. Laboratory analysis of samples will be completed within four weeks from the completion of sample collection activities. The data will be validated and uploaded to the NERT database within four weeks after laboratory analysis is complete. The work under this Modification 9 will be completed with the preparation of a Technical Memorandum within four weeks of the completion of data validation.

Please contact us should you have any questions about this Phase 3 RI Modification No. 9.

⁶ ENVIRON. 2014. Field Sampling Plan, Revision 1, Nevada Environmental Response Trust Site, Henderson Nevada, July 18, 2014. NDEP approved August 1, 2014.

Attachments

Table 1a	Preliminary Soil Gas Analytical Results in OU-1 (Detected VOCs Only)
Table 1b	Preliminary Soil Gas Analytical Results in OU-2 (Detected VOCs Only)
Table 2a	Groundwater Analytical Results for Volatile Organic Compounds in OU-1
Table 2b	Groundwater Analytical Results for Volatile Organic Compounds in OU-2
Table 2c	Groundwater Analytical Results for Chloroform in Wells Owned by Other Parties
Table 3	Proposed Soil Gas Sampling in OU-1
Table 4	Proposed Soil Gas Sampling in the OU-2 Off-Site Study Area
Table 5	Proposed Soil Gas Resampling for OU-1/OU-2
Figure 1	Proposed OU-1 and OU-2 Soil Gas Sample Locations

**Phase 3 RI Modification No. 9
Recommended Soil Gas Sampling Locations in OU-1 and OU-2**

**Nevada Environmental Response Trust
Site (Former Tronox LLC Site)
Henderson, Nevada**

Nevada Environmental Response Trust (NERT) Representative Certification

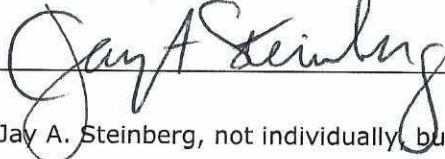
I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the system(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

Office of the Nevada Environmental Response Trust

Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

**Not Individually, but Solely
as President of the Trustee**

Signature:



Name:

Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

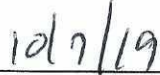
Title:

Solely as President and not individually

Company:

Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Date:



Phase 3 RI Modification No. 9
Nevada Environmental Response Trust Site
Henderson, Nevada

**Phase 3 RI Modification No. 9
Recommended Soil Gas Sampling Locations in OU-1 and OU-2**

**Nevada Environmental Response Trust
Site (Former Tronox LLC Site)
Henderson, Nevada**

Responsible Certified Environmental Manager (CEM) for this project

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.



**John M. Pekala, PG
Principal**

October 7, 2019

Date

Certified Environmental Manager
Ramboll US Corporation
CEM Certificate Number: 2347
CEM Expiration Date: September 20, 2020

Table 1a. Preliminary Soil Gas Analytical Results in OU-1 (Detected VOCs Only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-10		RISG-11		RISG-12		RISG-13		RISG-14		
		5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	
		3/08/2019	3/08/2019	3/06/2019	3/07/2019	3/07/2019	3/07/2019	3/22/2019	3/22/2019	3/11/2019	3/11/2019	3/11/2019 (FD)
Acetone	µg/m³	<230	<2,100	<16	90 J	130 J-	170 J	12 J	<27	74 UJ	260 J-	270 J-
Benzene	µg/m³	<140	<1,200	<9.6	<17	17 UJ	<19	<5.2	<16	44 UJ	61 UJ	56 UJ
Benzyl chloride	µg/m³	<470	<4,200	<32	<57	56 UJ	<63	<17	<54	150 UJ	200 UJ	190 UJ
Bromodichloromethane	µg/m³	<240	<2,200	<17	<30	29 UJ	<33	<9.2	<28	78 UJ	110 UJ	97 UJ
Bromoform	µg/m³	<400	<3,600	31 J	<49	48 UJ	<54	<15	<46	130 UJ	180 UJ	160 UJ
Bromomethane	µg/m³	<720	<6,400	<49	<88	87 UJ	<98	<27	<83	230 UJ	310 UJ	290 UJ
2-Butanone	µg/m³	<320	<2,900	<22	<40	39 UJ	<44	<12	<37	100 UJ	140 UJ	130 UJ
Carbon disulfide	µg/m³	<130	<1,200	<9.2	<16	16 UJ	<18	<5.0	<15	43 UJ	59 UJ	71 J-
Carbon tetrachloride	µg/m³	<220	<2,000	450	580	3,600 J-	5,700	12 J	<26	71 UJ	97 UJ	89 UJ
Chlorobenzene	µg/m³	<160	<1,500	52	<20	20 UJ	<22	<6.1	<19	52 UJ	71 UJ	65 UJ
Chloroethane	µg/m³	<450	<4,000	<31	<55	54 UJ	<61	<17	<52	140 UJ	200 UJ	180 UJ
Chloroform	µg/m³	75,000	850,000	18,000	25,000	25,000 J-	46,000 J-	3,500	7,000	35,000 J-	56,000 J-	60,000 J-
Chloromethane	µg/m³	<230	<2,000	<15	<27	27 UJ	<31	<8.4	<26	71 UJ	98 UJ	89 UJ
Dibromochloromethane	µg/m³	<370	<3,300	<26	<45	45 UJ	<50	<14	<43	120 UJ	160 UJ	150 UJ
1,2-Dibromoethane	µg/m³	<320	<2,900	<22	<39	38 UJ	<43	<12	<37	100 UJ	140 UJ	130 UJ
1,2-Dichlorobenzene	µg/m³	<430	<3,900	36 J	<53	52 UJ	<59	<16	<50	140 UJ	190 UJ	170 UJ
1,3-Dichlorobenzene	µg/m³	<370	<3,300	49 J	<45	44 UJ	<50	<14	<42	120 UJ	160 UJ	150 UJ
1,4-Dichlorobenzene	µg/m³	<500	<4,400	34 J	<60	60 UJ	<67	<19	<57	160 UJ	220 UJ	200 UJ
Dichlorodifluoromethane	µg/m³	<400	<3,500	<27	<48	48 UJ	<54	<15	<46	130 UJ	170 UJ	160 UJ
1,1-Dichloroethane	µg/m³	<160	1,600 J	<11	<20	19 UJ	<22	<6.0	<19	51 UJ	71 UJ	64 UJ
1,2-Dichloroethane	µg/m³	<200	<1,800	<14	<24	24 UJ	<27	<7.4	<23	63 UJ	86 UJ	78 UJ
1,1-Dichloroethene	µg/m³	<160	<1,400	<11	<19	19 UJ	<21	570	1,300	50 UJ	69 UJ	63 UJ
cis-1,2-Dichloroethene	µg/m³	<200	<1,700	<13	<24	23 UJ	<26	<7.3	<22	62 UJ	85 UJ	78 UJ
trans-1,2-Dichloroethene	µg/m³	<220	<2,000	<15	<27	26 UJ	<30	<8.2	<25	70 UJ	96 UJ	87 UJ
1,2-Dichloropropane	µg/m³	<610	<5,500	<42	<75	74 UJ	<83	<23	<70	190 UJ	270 UJ	240 UJ
cis-1,3-Dichloropropene	µg/m³	<260	<2,300	<18	<32	31 UJ	<35	<9.8	<30	83 UJ	110 UJ	100 UJ
trans-1,3-Dichloropropene	µg/m³	<220	<2,000	<15	<27	27 UJ	<30	<8.3	<25	70 UJ	97 UJ	88 UJ
Ethyl benzene	µg/m³	<150	<1,400	25 J	<18	18 UJ	<21	<5.7	<17	48 UJ	66 UJ	60 UJ
4-Ethyltoluene	µg/m³	<510	<4,600	<35	<62	61 UJ	<69	<19	<58	160 UJ	220 UJ	200 UJ
Freon 113	µg/m³	<690	<6,200	<48	<84	83 UJ	<94	<26	<79	220 UJ	300 UJ	270 UJ
Freon 114	µg/m³	<600	<5,400	<41	<73	72 UJ	<81	<22	<69	190 UJ	260 UJ	240 UJ
Hexachlorobutadiene	µg/m³	<2,500	<23,000	<180	<310	310 UJ	<350	<95	<290	810 UJ	1,100 UJ	1,000 UJ
2-Hexanone	µg/m³	<200	<1,800	<14	<24	24 UJ	<27	<7.4	<23	63 UJ	86 UJ	78 UJ
Methylene Chloride	µg/m³	<140	<1,200	<9.5	<17	17 UJ	<19	6.6 J	19 J	44 UJ	61 UJ	55 UJ
4-Methyl-2-pentanone	µg/m³	<310	<2,700	<21	<37	37 UJ	<41	<11	<35	97 UJ	130 UJ	120 UJ
Styrene	µg/m³	<140	<1,200	20 J	<17	17 UJ	<19	<5.2	<16	44 UJ	61 UJ	55 UJ
1,1,2,2-Tetrachloroethane	µg/m³	<260	<2,300	32 J	<32	32 UJ	<36	<9.8	<30	83 UJ	110 UJ	100 UJ
Tetrachloroethene	µg/m³	<190	<1,700	110	98 J	240 J-	350	8.9 J	23 J	160 J-	290 J-	280 J-
Toluene	µg/m³	<110	<950	12 J	<13	13 UJ	<14	4.2 J	<12	34 UJ	47 UJ	42 UJ
1,2,4-Trichlorobenzene	µg/m³	<1,800	<16,000	<120	<220	210 UJ	<240	<67	<200	570 UJ	780 UJ	710 UJ
1,1,1-Trichloroethane	µg/m³	<200	<1,800	<13	<24	24 UJ	<27	<7.3	<23	62 UJ	86 UJ	78 UJ
1,1,2-Trichloroethane	µg/m³	<200	<1,800	<14	<25	24 UJ	<27	<7.6	<23	64 UJ	88 UJ	80 UJ
Trichloroethene	µg/m³	<310	<2,800	<21	<38	38 UJ	<42	14 J	36 J	99 UJ	140 UJ	120 UJ
Trichlorofluoromethane	µg/m³	1,100 J	9,800 J	820	1,100	1,100 J-	1,700	<23	<70	190 UJ	270 UJ	240 UJ
1,2,4-Trimethylbenzene	µg/m³	<440	<3,900	<30	<54	53 UJ	<60	<16	<51	140 UJ	190 UJ	180 UJ
1,3,5-Trimethylbenzene	µg/m³	<340	<3,000	<23	<41	41 UJ	<46	<13	<39	110 UJ	150 UJ	140 UJ
Vinyl acetate	µg/m³	<280	<2,500	<19	<34	34 UJ	<38	<11	<32	90 UJ	120 UJ	110 UJ
Vinyl chloride	µg/m³	<170	<1,500	<12	<21	20 UJ	<23	<6.3	<19	54 UJ	74 UJ	67 UJ
m,p-Xylene	µg/m³	<240	<2,100	56 J	<29	29 UJ	<33	<9.0	<28	76 UJ	110 UJ	96 UJ
o-Xylene	µg/m³	<130	<1,200	27 J	<16	16 UJ	<18	<4.9	<15	41 UJ	57 UJ	52 UJ

Notes:
 Bold value: results were detected
 '-': not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

Table 1a. Preliminary Soil Gas Analytical Results in OU-1 (Detected VOCs Only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-15		RISG-16	RISG-17	RISG-18	RISG-19	RISG-20		RISG-21		RISG-22		
		5 ft bgs	15 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	
		3/11/2019	3/11/2019	3/14/2019	3/14/2019	3/14/2019	3/14/2019	3/14/2019	3/14/2019	3/14/2019 (FD)	3/11/2019	3/11/2019	3/22/2019	3/22/2019
Acetone	µg/m³	18 J	67 UJ	<100	<480	<58	<170	22 J	18 J	15 J	23 J	7.2 J	<10	31 J
Benzene	µg/m³	<6.5	40 UJ	<62	<280	<35	<100	<2.8	<4.7	<6.3	<1.3	<2.4	<6.2	<17
Benzyl chloride	µg/m³	<22	130 UJ	<210	<950	<120	<340	<9.2	<16	<21	<4.2	20 J	<21	<58
Bromodichloromethane	µg/m³	<11	72 J	<110	<500	<61	<180	<4.8	<8.2	<11	<2.2	<4.2	<11	<31
Bromoform	µg/m³	<19	110 UJ	<180	<810	<99	<290	<7.9	<13	<18	<3.6	<6.9	<18	<50
Bromomethane	µg/m³	<34	200 UJ	<320	<1,500	<180	<520	<14	<24	<33	<6.5	<12	<32	<90
2-Butanone	µg/m³	<15	92 UJ	<150	<660	<81	<240	<6.4	<11	<15	3.0 J	<5.6	<14	<40
Carbon disulfide	µg/m³	29 J	78 J	<60	<270	<33	<98	8.5 J	<4.5	<6.1	48	8.1 J	10 J	<17
Carbon tetrachloride	µg/m³	<10	63 UJ	<100	<450	<55	<160	<4.4	<7.5	<10	3.3 J	4.9 J	23 J	32 J
Chlorobenzene	µg/m³	<7.6	46 UJ	<73	2,000	<41	<120	<3.2	<5.5	<7.4	<1.5	<2.8	<7.2	<20
Chloroethane	µg/m³	<21	130 UJ	<200	<910	<110	<330	<8.9	<15	<20	<4.1	<7.8	<20	<56
Chloroform	µg/m³	8,600	33,000 J	43,000	220,000	12,000	100,000	2,800	5,200	5,900	1,400	2,800	4,800	7,400
Chloromethane	µg/m³	<10	64 UJ	<100	<460	<56	<160	<4.5	<7.6	<10	<2.0	<3.9	<10	<28
Dibromochloromethane	µg/m³	<17	110 UJ	<170	<760	<93	<270	<7.4	<13	<17	<3.4	<6.5	<17	<46
1,2-Dibromoethane	µg/m³	<15	91 UJ	<140	<650	<79	<230	<6.3	<11	<14	<2.9	<5.5	<14	<40
1,2-Dichlorobenzene	µg/m³	<20	120 UJ	<190	<880	<110	<310	<8.6	<15	<20	<3.9	<7.5	<19	<54
1,3-Dichlorobenzene	µg/m³	<17	100 UJ	<160	<740	<91	<270	<7.2	<12	<17	6.2 J	<6.3	<16	<46
1,4-Dichlorobenzene	µg/m³	<23	140 UJ	<220	<1,000	<120	<360	<9.8	<17	<22	<4.5	<8.6	<22	<62
Dichlorodifluoromethane	µg/m³	<18	110 UJ	<180	<810	<99	<290	<7.9	<13	<18	4.3 J	<6.9	<18	<49
1,1-Dichloroethane	µg/m³	<7.5	46 UJ	<72	<330	<40	<120	<3.2	<5.4	<7.3	<1.5	<2.8	<7.2	<20
1,2-Dichloroethane	µg/m³	<9.2	56 UJ	<88	<400	<49	<140	<3.9	<6.6	<8.9	<1.8	<3.4	<8.8	<25
1,1-Dichloroethene	µg/m³	<7.4	45 UJ	<71	330 J	<39	<110	<3.1	<5.3	<7.1	<1.4	<2.7	25 J	37 J
cis-1,2-Dichloroethene	µg/m³	<9.1	56 UJ	<87	<400	<49	<140	<3.9	<6.6	<8.8	<1.8	<3.4	<8.7	<24
trans-1,2-Dichloroethene	µg/m³	<10	62 UJ	<98	<450	<55	<160	<4.3	<7.4	<9.9	<2.0	<3.8	<9.8	<27
1,2-Dichloropropane	µg/m³	<29	170 UJ	<270	<1,200	<150	<450	<12	<21	<28	<5.5	<11	<27	<77
cis-1,3-Dichloropropene	µg/m³	<12	74 UJ	<120	<530	<65	<190	<5.2	<8.8	<12	<2.4	<4.5	<12	<33
trans-1,3-Dichloropropene	µg/m³	<10	63 UJ	<99	<450	<55	<160	<4.4	<7.4	<10	<2.0	<3.8	<9.8	<28
Ethyl benzene	µg/m³	<7.1	43 UJ	<68	<310	<38	<110	6.2 J	<5.1	<6.8	1.7 J	<2.6	<6.7	<19
4-Ethyltoluene	µg/m³	<24	140 UJ	<230	<1,000	<130	<370	<10	<17	<23	<4.6	<8.8	<23	<63
Freon 113	µg/m³	<32	200 UJ	<310	<1,400	<170	<500	<14	<23	<31	<6.2	<12	<31	<86
Freon 114	µg/m³	<28	170 UJ	<270	<1,200	<150	<440	<12	<20	<27	<5.4	<10	<27	<75
Hexachlorobutadiene	µg/m³	<120	730 UJ	<1,100	<5,200	<630	<1,900	<50	<86	<120	<23	<44	<110	<320
2-Hexanone	µg/m³	<9.2	56 UJ	<88	<400	<49	<140	<3.9	<6.6	<8.9	<1.8	<3.4	<8.8	<25
Methylene Chloride	µg/m³	<6.5	39 UJ	<62	<280	37 J	<100	<2.7	13 J	<6.3	2.2 J	<2.4	6.4 J	<17
4-Methyl-2-pentanone	µg/m³	<14	87 UJ	<140	<620	<76	<220	<6.1	<10	<14	<2.8	<5.3	<14	<38
Styrene	µg/m³	<6.5	40 UJ	<62	<280	<35	<100	<2.8	<4.7	<6.3	<1.3	<2.4	<6.2	<17
1,1,2,2-Tetrachloroethane	µg/m³	<12	75 UJ	<120	<530	<65	<190	<5.2	<8.8	<12	<2.4	<4.5	<12	<33
Tetrachloroethene	µg/m³	30 J	130 J	160 J	1,600 J	250 J	270 J	50	91	90	11 J	22 J	14 J	31 J
Toluene	µg/m³	<5.0	30 UJ	<48	<220	<26	<77	5.8 J	4.4 J	<4.8	6.6 J	<1.8	<4.7	<13
1,2,4-Trichlorobenzene	µg/m³	<83	510 UJ	<800	<3,600	<440	<1,300	<35	<60	<81	<16	<31	<79	<220
1,1,1-Trichloroethane	µg/m³	<9.2	56 UJ	<88	<400	<49	<140	<3.9	<6.6	<8.9	<1.8	<3.4	<8.7	<24
1,1,2-Trichloroethane	µg/m³	<9.4	58 UJ	<90	<410	<50	<150	<4.0	<6.8	<9.1	<1.8	<3.5	<9.0	<25
Trichloroethene	µg/m³	<15	89 UJ	<140	<630	<78	<230	53	95	100	<2.8	<5.4	210	350
Trichlorofluoromethane	µg/m³	<28	170 UJ	<270	<1,200	<150	<440	<12	<20	<28	<5.5	<11	<27	<76
1,2,4-Trimethylbenzene	µg/m³	<21	130 UJ	<200	<900	<110	<320	<8.7	<15	<20	<4.0	<7.6	<20	<55
1,3,5-Trimethylbenzene	µg/m³	<16	97 UJ	<150	<690	<84	<250	<6.7	<11	<15	3.2 J	<5.9	<15	<42
Vinyl acetate	µg/m³	<13	80 UJ	<130	<570	<70	<210	<5.6	<9.5	<13	<2.6	<4.9	<13	<35
Vinyl chloride	µg/m³	<7.9	48 UJ	<76	<350	<42	<120	<3.4	<5.7	<7.7	<1.5	<2.9	<7.5	<21
m,p-Xylene	µg/m³	<11	68 UJ	<110	<490	<60	<170	32 J	<8.1	<11	7.0 J	4.6 J	<11	<30
o-Xylene	µg/m³	<6.0	37 UJ	<58	<260	<32	<94	11 J	<4.4	<5.9	2.7 J	<2.3	<5.8	<16

Notes:
 Bold value: results were detected
 '-': not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

Table 1a. Preliminary Soil Gas Analytical Results in OU-1 (Detected VOCs Only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-23		RISG-24		RISG-25		RISG-26			RISG-31	RISG-32	
		5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs		5 ft bgs	5 ft bgs	15 ft bgs
		3/08/2019	3/08/2019	3/07/2019	3/07/2019	3/08/2019	3/08/2019	3/07/2019	3/07/2019	3/07/2019 (FD)	3/13/2019	3/13/2019	3/13/2019
Acetone	µg/m³	42	52 J	79	96	34	17 J	58 J	170 J	97 J	19 J	12 J	6.3 J
Benzene	µg/m³	<1.3	6.5 UJ	<1.3	<1.3	<1.3	<1.3	<5.4	<15	<15	<1.3	<1.3	<1.3
Benzyl chloride	µg/m³	<4.2	22 UJ	<4.2	<4.2	<4.2	<4.2	<18	<49	<49	<4.2	<4.2	<4.2
Bromodichloromethane	µg/m³	<2.2	11 UJ	<2.2	<2.2	<2.2	<2.2	<9.4	<26	<26	<2.2	<2.2	<2.2
Bromoform	µg/m³	<3.6	19 UJ	<3.6	<3.6	<3.6	<3.6	<15	<42	<42	<3.6	<3.6	<3.6
Bromomethane	µg/m³	<6.5	34 UJ	<6.5	<6.5	<6.5	<6.5	<28	<75	<75	<6.5	<6.5	<6.5
2-Butanone	µg/m³	<2.9	15 UJ	<2.9	4.3 J	3.5 J	<2.9	<12	<34	<34	<2.9	<2.9	<2.9
Carbon disulfide	µg/m³	9.9 J	6.3 UJ	24	<1.2	5.1 J	3.6 J	11 J	<14	32 J	12 J	14	3.3 J
Carbon tetrachloride	µg/m³	2.5 J	19 J	8.2 J	20 J	8.7 J	<2.0	1,100	2,600	2,600	<2.0	<2.0	<2.0
Chlorobenzene	µg/m³	<1.5	7.6 UJ	<1.5	<1.5	<1.5	<1.5	13 J	470	530	<1.5	<1.5	<1.5
Chloroethane	µg/m³	<4.1	21 UJ	<4.1	<4.1	63	<4.1	<17	<47	<47	16	<4.1	8.9 J
Chloroform	µg/m³	240	3,700 J	680	1,800	410	92	7,700	20,000	20,000	<2.3	24	58
Chloromethane	µg/m³	<2.0	11 UJ	<2.0	<2.0	<2.0	<2.0	<8.6	<24	<24	<2.0	<2.0	<2.0
Dibromochloromethane	µg/m³	<3.4	17 UJ	<3.4	<3.4	<3.4	<3.4	<14	<39	<39	<3.4	<3.4	<3.4
1,2-Dibromoethane	µg/m³	<2.9	15 UJ	<2.9	<2.9	<2.9	<2.9	<12	<33	<33	<2.9	<2.9	<2.9
1,2-Dichlorobenzene	µg/m³	<3.9	20 UJ	<3.9	<3.9	<3.9	<3.9	<17	<45	57 J	<3.9	<3.9	<3.9
1,3-Dichlorobenzene	µg/m³	<3.3	34 J	9.7 J	13	<3.3	<3.3	<14	<38	<38	<3.3	<3.3	<3.3
1,4-Dichlorobenzene	µg/m³	<4.5	23 UJ	<4.5	<4.5	<4.5	<4.5	<19	<52	<52	<4.5	<4.5	<4.5
Dichlorodifluoromethane	µg/m³	3.8 J	19 UJ	<3.6	<3.6	4.6 J	3.8 J	<15	<42	<42	3.8 J	3.7 J	3.6 J
1,1-Dichloroethane	µg/m³	<1.5	7.5 UJ	<1.5	<1.5	290	24	<6.2	<17	<17	<1.5	6.3	19
1,2-Dichloroethane	µg/m³	<1.8	9.2 UJ	<1.8	<1.8	7.1 J	<1.8	<7.6	<21	<21	<1.8	<1.8	<1.8
1,1-Dichloroethene	µg/m³	<1.4	7.4 UJ	<1.4	<1.4	<1.4	<1.4	<6.1	<17	<17	<1.4	<1.4	<1.4
cis-1,2-Dichloroethene	µg/m³	<1.8	9.1 UJ	<1.8	<1.8	<1.8	<1.8	<7.5	<20	<20	<1.8	<1.8	<1.8
trans-1,2-Dichloroethene	µg/m³	<2.0	10 UJ	<2.0	<2.0	<2.0	<2.0	<8.4	<23	<23	<2.0	<2.0	<2.0
1,2-Dichloropropane	µg/m³	<5.5	29 UJ	<5.5	<5.5	<5.5	<5.5	<24	<64	<64	<5.5	<5.5	<5.5
cis-1,3-Dichloropropene	µg/m³	<2.4	12 UJ	<2.4	<2.4	<2.4	<2.4	<10	<27	<27	<2.4	<2.4	<2.4
trans-1,3-Dichloropropene	µg/m³	<2.0	10 UJ	<2.0	<2.0	<2.0	<2.0	<8.5	<23	<23	<2.0	<2.0	<2.0
Ethyl benzene	µg/m³	<1.4	7.1 UJ	<1.4	<1.4	<1.4	<1.4	<5.8	<16	<16	<1.4	<1.4	<1.4
4-Ethyltoluene	µg/m³	<4.6	24 UJ	<4.6	<4.6	<4.6	<4.6	<20	<53	<53	<4.6	<4.6	<4.6
Freon 113	µg/m³	<6.2	32 UJ	<6.2	<6.2	<6.2	<6.2	<27	<72	<72	<6.2	<6.2	<6.2
Freon 114	µg/m³	<5.4	28 UJ	<5.4	<5.4	<5.4	<5.4	<23	<63	<63	<5.4	<5.4	<5.4
Hexachlorobutadiene	µg/m³	<23	120 UJ	<23	<23	<23	<23	<98	<270	<270	<23	<23	<23
2-Hexanone	µg/m³	<1.8	9.2 UJ	<1.8	<1.8	<1.8	<1.8	<7.6	<21	<21	<1.8	<1.8	<1.8
Methylene Chloride	µg/m³	<1.3	6.5 UJ	1.3 J	1.8 J	12	<1.3	<5.3	<15	<15	23	<1.3	3.0 J
4-Methyl-2-pentanone	µg/m³	<2.8	14 UJ	<2.8	<2.8	<2.8	<2.8	<12	<32	<32	<2.8	<2.8	<2.8
Styrene	µg/m³	<1.3	6.5 UJ	<1.3	<1.3	<1.3	<1.3	<5.3	<15	<15	<1.3	<1.3	<1.3
1,1,2,2-Tetrachloroethane	µg/m³	<2.4	12 UJ	<2.4	<2.4	<2.4	<2.4	<10	<27	<27	<2.4	<2.4	<2.4
Tetrachloroethene	µg/m³	<1.7	15 J	59	99	130	30	28 J	61 J	62 J	<1.7	31	110
Toluene	µg/m³	<0.96	5.0 UJ	<0.96	1.7 J	<0.96	1.3 J	<4.1	<11	<11	<0.96	<0.96	<0.96
1,2,4-Trichlorobenzene	µg/m³	<16	83 UJ	<16	<16	<16	<16	<68	<190	<190	<16	<16	<16
1,1,1-Trichloroethane	µg/m³	<1.8	9.2 UJ	<1.8	<1.8	<1.8	<1.8	<7.5	<21	<21	<1.8	<1.8	<1.8
1,1,2-Trichloroethane	µg/m³	<1.8	9.5 UJ	<1.8	<1.8	<1.8	<1.8	<7.8	<21	<21	<1.8	<1.8	<1.8
Trichloroethene	µg/m³	<2.8	38 J	<2.8	<2.8	5.9 J	<2.8	<12	<33	<33	11	<2.8	3.4 J
Trichlorofluoromethane	µg/m³	<5.5	28 UJ	<5.5	<5.5	<5.5	<5.5	<23	<64	<64	<5.5	<5.5	<5.5
1,2,4-Trimethylbenzene	µg/m³	<4.0	21 UJ	<4.0	<4.0	<4.0	<4.0	<17	<46	<46	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	µg/m³	<3.1	16 UJ	<3.1	<3.1	<3.1	<3.1	<13	<36	<36	<3.1	<3.1	<3.1
Vinyl acetate	µg/m³	<2.6	13 UJ	<2.6	<2.6	<2.6	<2.6	<11	<30	<30	<2.6	<2.6	<2.6
Vinyl chloride	µg/m³	<1.5	7.9 UJ	<1.5	<1.5	<1.5	<1.5	<6.5	<18	<18	<1.5	<1.5	<1.5
m,p-Xylene	µg/m³	<2.2	11 UJ	<2.2	2.4 J	<2.2	<2.2	<9.2	<25	<25	<2.2	<2.2	<2.2
o-Xylene	µg/m³	<1.2	6.1 UJ	<1.2	<1.2	<1.2	<1.2	<5.0	<14	<14	<1.2	<1.2	<1.2

Notes:
 Bold value: results were detected
 '-' : not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

Table 1a. Preliminary Soil Gas Analytical Results in OU-1 (Detected VOCs Only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-33			RISG-34	
		5 ft bgs		15 ft bgs	5 ft bgs	15 ft bgs
		3/13/2019	3/13/2019 (FD)	3/13/2019	3/13/2019	3/13/2019
Acetone	µg/m³	16 J	8.7 J	7.4 J	5.9 J	20 J
Benzene	µg/m³	<1.3	<1.3	4.7 J	<1.3	<1.3
Benzyl chloride	µg/m³	<4.2	<4.2	<13	<4.2	<4.2
Bromodichloromethane	µg/m³	<2.2	<2.2	<6.6	<2.2	<2.2
Bromoform	µg/m³	<3.6	<3.6	<11	<3.6	<3.6
Bromomethane	µg/m³	<6.5	<6.5	<19	<6.5	<6.5
2-Butanone	µg/m³	<2.9	<2.9	<8.7	<2.9	<2.9
Carbon disulfide	µg/m³	11 J	5.9 J	7.2 J	4.9 J	7.0 J
Carbon tetrachloride	µg/m³	<2.0	<2.0	<6.0	<2.0	<2.0
Chlorobenzene	µg/m³	<1.5	<1.5	10 J	<1.5	<1.5
Chloroethane	µg/m³	57	56	170	15	56
Chloroform	µg/m³	980	1,000	2,900	36	39
Chloromethane	µg/m³	<2.0	<2.0	<6.0	<2.0	<2.0
Dibromochloromethane	µg/m³	<3.4	<3.4	<10	<3.4	<3.4
1,2-Dibromoethane	µg/m³	<2.9	<2.9	<8.6	<2.9	<2.9
1,2-Dichlorobenzene	µg/m³	<3.9	4.8 J	19 J	<3.9	<3.9
1,3-Dichlorobenzene	µg/m³	<3.3	8.1 J	57	<3.3	<3.3
1,4-Dichlorobenzene	µg/m³	<4.5	<4.5	16 J	<4.5	<4.5
Dichlorodifluoromethane	µg/m³	4.1 J	4.2 J	<11	4.1 J	4.1 J
1,1-Dichloroethane	µg/m³	150	160	480	<1.5	<1.5
1,2-Dichloroethane	µg/m³	17	17	70	<1.8	<1.8
1,1-Dichloroethene	µg/m³	1.8 J	1.7 J	<4.2	<1.4	<1.4
cis-1,2-Dichloroethene	µg/m³	<1.8	<1.8	<5.2	<1.8	<1.8
trans-1,2-Dichloroethene	µg/m³	<2.0	<2.0	<5.9	<2.0	<2.0
1,2-Dichloropropane	µg/m³	<5.5	<5.5	<16	<5.5	<5.5
cis-1,3-Dichloropropene	µg/m³	<2.4	<2.4	<7.0	<2.4	<2.4
trans-1,3-Dichloropropene	µg/m³	<2.0	<2.0	<5.9	<2.0	<2.0
Ethyl benzene	µg/m³	<1.4	<1.4	<4.1	<1.4	<1.4
4-Ethyltoluene	µg/m³	<4.6	<4.6	<14	<4.6	<4.6
Freon 113	µg/m³	<6.2	<6.2	<19	<6.2	<6.2
Freon 114	µg/m³	<5.4	<5.4	<16	<5.4	<5.4
Hexachlorobutadiene	µg/m³	<23	<23	<68	<23	<23
2-Hexanone	µg/m³	<1.8	<1.8	<5.3	<1.8	<1.8
Methylene Chloride	µg/m³	8.3	7.7	20 J	5.5 J	13
4-Methyl-2-pentanone	µg/m³	<2.8	<2.8	<8.2	<2.8	<2.8
Styrene	µg/m³	<1.3	<1.3	<3.7	<1.3	<1.3
1,1,2,2-Tetrachloroethane	µg/m³	<2.4	<2.4	<7.0	<2.4	<2.4
Tetrachloroethene	µg/m³	170	200	530	16	<1.7
Toluene	µg/m³	<0.96	1.1 J	<2.9	1.9 J	<0.96
1,2,4-Trichlorobenzene	µg/m³	<16	<16	<48	<16	<16
1,1,1-Trichloroethane	µg/m³	<1.8	<1.8	<5.3	<1.8	<1.8
1,1,2-Trichloroethane	µg/m³	3.3 J	3.5 J	<5.4	<1.8	<1.8
Trichloroethene	µg/m³	65	71	180	8.5 J	<2.8
Trichlorofluoromethane	µg/m³	<5.5	<5.5	<16	<5.5	<5.5
1,2,4-Trimethylbenzene	µg/m³	<4.0	<4.0	<12	<4.0	<4.0
1,3,5-Trimethylbenzene	µg/m³	<3.1	<3.1	<9.1	<3.1	<3.1
Vinyl acetate	µg/m³	<2.6	<2.6	<7.6	<2.6	<2.6
Vinyl chloride	µg/m³	<1.5	<1.5	<4.6	<1.5	<1.5
m,p-Xylene	µg/m³	<2.2	3.3 J	<6.4	3.6 J	<2.2
o-Xylene	µg/m³	<1.2	1.8 J	<3.5	1.5 J	<1.2

Notes:

Bold value: results were detected

'-' : not analyzed

(FD) = field duplicate

ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter

J : Estimated value

J- : Estimated value, potential negative bias

UJ : The analyte was not detected, and the detection limit is an estimated quarter

< : Not detected above laboratory reporting limits

Table 1b. Preliminary Soil Gas Analytical Results in OU-2 (Detected VOCs only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-1				RISG-2				RISG-3				
		5 ft bgs		13 ft bgs	15 ft bgs	5 ft bgs		15 ft bgs		5 ft bgs		15 ft bgs		
		3/09/2015	3/11/2019	3/06/2015	3/11/2019	3/19/2015	3/14/2019	3/19/2015	3/14/2019	3/06/2015	3/15/2019	3/06/2015	3/06/2015 (FD)	3/15/2019
Acetone	µg/m³	38 J	39 J	<9	35 J	140	20 J	210	26	37 J	9.8 J	35 J	39 J	33 J
Acrolein	µg/m³	<0.23	--	<0.23	--	<0.23	--	11	--	<0.23	--	<0.23	<0.23	--
Acrylonitrile	µg/m³	<0.61	--	<0.61	--	<0.61	--	0.86 J	--	<0.61	--	<0.61	<0.61	--
t-Amyl methyl ether	µg/m³	<1.2	--	<1.2	--	<1.2	--	<1.2	--	<1.2	--	<1.2	<1.2	--
Benzene	µg/m³	2.8	<3.2	75	8.0 J	7	1.5 J	12	<1.3	5.8	<2.5	8.3	8.1	<3.1
Benzyl chloride	µg/m³	<0.38	<11	<0.38	<20	<0.38	<4.2	<0.38	<4.2	<0.38	<8.5	<0.38	<0.38	<10
Bromodichloromethane	µg/m³	11	<5.7	2.7 J	<10	<0.011	<2.2	0.77 J	<2.2	6.2	<4.5	6.8	6.6	<5.5
Bromoform	µg/m³	<0.22	<9.3	<0.22	<17	<0.22	<3.6	<0.22	<3.6	<0.22	<7.3	<0.22	<0.22	<9.0
Bromomethane	µg/m³	<0.36	<17	<0.36	<31	<0.36	<6.5	<0.36	<6.5	<0.36	<13	<0.36	<0.36	<16
1,3-Butadiene	µg/m³	<0.55	--	<0.55	--	<0.55	--	<0.55	--	<0.55	--	<0.55	<0.55	--
2-Butanone	µg/m³	<3.9	11 J	14 J	<14	44 J	<2.9	51 J	<2.9	<3.9	<5.9	<3.9	<3.9	11 J+
Carbon disulfide	µg/m³	1.3 J	23 J	22	100	2.0	28	4.4	12	1.3 J	<2.5	1.6 J	2.1	19 J
Carbon tetrachloride	µg/m³	280	51 J	150	97 J	65	38	130	18 J	300	12 J	390	380	37 J
Chlorobenzene	µg/m³	<0.16	<3.8	<0.16	<6.9	0.5 J	<1.5	0.73 J	<1.5	<0.16	<3.0	<0.16	<0.16	<3.7
Chloroethane	µg/m³	<0.35	<10	<0.35	<19	<0.35	<4.1	<0.35	<4.1	<0.35	<8.2	<0.35	<0.35	<10
Chloroform	µg/m³	3,700	3,900	8,900	6,800	4,400	1,800	7,100	1,600	5,200	940	7,200	7,000	2,500
Chloromethane	µg/m³	<0.12	<5.2	<0.12	<9.6	1.6	<2.0	<0.12	<2.0	<0.12	<4.1	<0.12	<0.12	<5.0
Cyclohexane	µg/m³	<0.38	--	<0.38	--	9.8 J	--	<0.38	--	<0.38	--	<0.38	<0.38	--
Dibromochloromethane	µg/m³	2.1 J	<8.6	0.49 J	<16	<0.0048	<3.4	<0.0048	<3.4	0.88 J	<6.8	0.29 J	0.28 J	<8.3
1,2-Dibromoethane	µg/m³	0.11 J	<7.4	<0.0037	<14	<0.0037	<2.9	0.047 J	<2.9	0.09 J	<5.8	0.087 J	0.088 J	<7.1
1,2-Dichlorobenzene	µg/m³	<0.16	<10	<0.16	<18	<0.16	<3.9	<0.16	<3.9	<0.16	<7.9	<0.16	<0.16	<9.7
1,3-Dichlorobenzene	µg/m³	<0.26	<8.5	<0.26	<16	<0.26	4.3 J	<0.26	<3.3	<0.26	<6.7	<0.26	<0.26	<8.2
1,4-Dichlorobenzene	µg/m³	<0.62	<12	0.79 J	<21	<0.62	<4.5	<0.62	<4.5	<0.62	<9.0	<0.62	<0.62	<11
Dichlorodifluoromethane	µg/m³	4	<9.2	<0.56	<17	3.2	4.2 J	3.1	4.3 J	5.3	<7.2	5.6	5.7	<8.9
1,1-Dichloroethane	µg/m³	3.8	<3.7	3.5	<6.8	5.1	<1.5	9	<1.5	5	<2.9	6.7	6.6	4.3 J
1,2-Dichloroethane	µg/m³	0.26 J	<4.6	1.1 J	<8.4	0.089 J	<1.8	0.58 J	<1.8	0.22 J	<3.6	0.73 J	0.74 J	<4.4
1,1-Dichloroethene	µg/m³	20	5.3 J	19	19 J	93	5.7 J	170	6.4 J	46	12 J	67	66	39
cis-1,2-Dichloroethene	µg/m³	1.1 J	<4.5	<0.56	<8.3	11	<1.8	2.6	<1.8	1.1 J	<3.6	1.8 J	1.8 J	<4.4
trans-1,2-Dichloroethene	µg/m³	<0.21	<5.1	<0.21	<9.3	1.1 J	<2.0	0.28 J	<2.0	<0.21	<4.0	0.25 J	0.24 J	<4.9
1,2-Dichloropropane	µg/m³	0.59 J	<14	1.2 J	<26	<0.01	<5.5	<0.01	<5.5	<0.01	<11	1.1 J	1.1 J	<14
cis-1,3-Dichloropropene	µg/m³	<0.3	<6.1	<0.3	<11	<0.3	<2.4	<0.3	<2.4	<0.3	<4.8	<0.3	<0.3	<5.9
trans-1,3-Dichloropropene	µg/m³	<0.26	<5.1	<0.26	<9.4	<0.26	<2.0	<0.26	<2.0	<0.26	<4.0	<0.26	<0.26	<5.0
Diisopropyl ether	µg/m³	<0.35	--	<0.35	--	<0.35	--	<0.35	--	<0.35	--	<0.35	<0.35	--
1,4-Dioxane	µg/m³	<0.13	--	<0.13	--	<0.13	--	<0.13	--	<0.13	--	<0.13	<0.13	--
Ethanol	µg/m³	12 J	--	160	--	26 J	--	50 J	--	15 J	--	<11	<11	--
Ethyl acetate	µg/m³	<0.36	--	7.7	--	<0.36	--	9.4	--	<0.36	--	<0.36	<0.36	--
Ethyl benzene	µg/m³	4.9	<3.5	74	<6.4	7.2	1.5 J	13	<1.4	4.3	<2.8	9.5 J	3.5 J	6.9 J
Ethyl tert-butyl ether	µg/m³	<0.8	--	<0.8	--	<0.8	--	<0.8	--	<0.8	--	<0.8	<0.8	--
4-Ethyltoluene	µg/m³	3.4	<12	54	<22	3.8	<4.6	6	<4.6	0.58 J	<9.3	7.6	0.59 J	<11
Freon 113	µg/m³	0.79 J	<16	2.1 J	<29	0.56 J	<6.2	0.57 J	<6.2	0.73 J	<13	1.1 J	0.76 J	<15
Freon 114	µg/m³	<0.6	<14	<0.6	<25	<0.6	<5.4	<0.6	<5.4	<0.6	<11	<0.6	<0.6	<13
n-Heptane	µg/m³	<5.7	--	57	--	7.3 J	--	<5.7	--	<5.7	--	<5.7	<5.7	--
Hexachlorobutadiene	µg/m³	0.61 J	<59	<0.15	<110	0.63 J	<23	2.5 J	<23	<0.15	<47	<0.15	<0.15	<57
n-Hexane	µg/m³	1.8 J	--	55	--	24	--	7.8 J	--	2.6 J	--	2.7 J	3.2 J	--
2-Hexanone	µg/m³	<0.16	<4.6	<0.16	<8.4	4	<1.8	2.7	<1.8	<0.16	<3.6	<0.16	<0.16	<4.4
Methyl tert-butyl ether	µg/m³	<0.51	--	<0.51	--	<0.51	--	<0.51	--	<0.51	--	<0.51	<0.51	--
Methylene Chloride	µg/m³	2.3	<3.2	4.4	<5.9	0.97 J	<1.3	1.6 J	2.2 J	4.5	<2.5	14	14	<3.1
Methylmethacrylate	µg/m³	<0.42	--	<0.42	--	<0.42	--	<0.42	--	<0.42	--	5.2	4.1	--
Naphthalene	µg/m³	3.4 J	--	150	--	1.4 J	--	3.8 J	--	1.2 J	--	6.9	0.6 J	--
4-Methyl-2-pentanone	µg/m³	2.4	<7.1	33	<13	11	<2.8	7	<2.8	1.5 J	<5.6	3	2.3	<6.9
Propylene	µg/m³	<19	--	<19	--	<19	--	<19	--	<19	--	<19	<19	--
Styrene	µg/m³	<0.21	<3.2	<0.21	<5.9	0.91 J	<1.3	3.3	<1.3	<0.21	<2.5	<0.21	<0.21	<3.1
1,1,1,2-Tetrachloroethane	µg/m³	<0.007	--	<0.007	--	0.065 J	--	0.084 J	--	<0.007	--	<0.007	<0.007	--
1,1,1,2-Tetrachloroethane	µg/m³	<0.0076	<6.1	<0.0076	<11	<0.0076	<2.4	<0.0076	<2.4	<0.0076	<4.8	<0.0076	<0.0076	<5.9
Tetrachloroethene	µg/m³	590	360	120	440	7,800	67	11,000	<1.7	240	1,800	340	300	3,800
Tetrahydrofuran	µg/m³	<0.21	--	<0.21	--	<0.21	--	7.6	--	<0.21	--	<0.21	<0.21	--
Toluene	µg/m³	7.8	5.3 J	190	11 J	27	5.4 J	36	<0.96	6.1	<1.9	19	15	<2.4
1,2,4-Trichlorobenzene	µg/m³	0.26 J	<41	0.82 J	<76	3.6 J	<16	3.7 J	<16	<0.17	<33	<0.17	<0.17	<40
1,1,1-Trichloroethane	µg/m³	<0.35	<4.6	<0.35	<8.3	<0.35	<1.8	<0.35	<1.8	<0.35	<3.6	<0.35	<0.35	<4.4
1,1,2-Trichloroethane	µg/m³	<0.012	<4.7	<0.012	<8.6	<0.012	<1.8	0.2 J	<1.8	<0.012	<3.7	0.62 J	0.58 J	<4.5
Trichloroethene	µg/m³	12	<7.3	3.5	<13	110	3.1 J	160	<2.8	25	31	32	31	67
Trichlorofluoromethane	µg/m³	1.9 J	<14	5.2	<26	1.2 J	<5.5	1.6 J	<5.5	1.7 J	<11	2.6 J	2.5 J	<14
1,2,4-Trimethylbenzene	µg/m³	15	<10	240	<19	11	4.7 J	20	<4.0	1.6 J	<8.0	25	0.41 J	<9.9
1,3,5-Trimethylbenzene	µg/m³	5.4	<7.9	81	<14	4.9	<3.1	8.4	<3.1	<0.35	<6.2	12	0.36 J	<7.6
Vinyl acetate	µg/m³	<0.61	<6.6	<0.61	<12	19	<2.6	<0.61	<2.6	<0.61	<5.2	<0.61	<0.61	<6.3
Vinyl chloride	µg/m³	<0.0075	<3.9	<0.0075	<7.2	<0.0075	<1.5	<0.0075	<1.5	<0.0075	<3.1	<0.0075	<0.0075	<3.8
m,p-Xylene	µg/m³	--	<5.6	--	18 J	--	5.7 J	--	<2.2	--	<4.4	--	--	32 J
o-Xylene	µg/m³	--	<3.0	--	8.6 J	--	2.3 J	--	<1.2	--	<2.4	--	--	14 J
Xylenes (total)	µg/m³	31	--	450	--	40	--	61	--	32	--	55	9.6 J	--
1,2-Dibromo-3-chloropropane	µg/m³	<0.0056	--	<0.0056	--	<0.0056	--	<0.0056	--	<0.0056	--	<0.0056	0.13	--
tert Butyl alcohol	µg/m³	<17	--	<17	--	<17	--	<17	--	<17	--	<17	<17	--

Notes:
 Bold value: results were detected
 '-': not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

Table 1b. Preliminary Soil Gas Analytical Results in OU-2 (Detected VOCs only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-4		RISG-5			RISG-6			RISG-7		RISG-8	
		5 ft bgs	15 ft bgs	5 ft bgs		15 ft bgs	5 ft bgs	15 ft bgs		5 ft bgs	10 ft bgs	5 ft bgs	15 ft bgs
		3/11/2019	3/11/2019	3/13/2019	3/13/2019 (FD)	3/14/2019	3/22/2019	3/22/2019	3/22/2019 (FD)	3/14/2019	3/14/2019	3/21/2019	Not sampled*
Acetone	µg/m³	13 J	16 J	15 J	18 J	14 J	<25	<31	<32	45	24	10 J	--
Acrolein	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
t-Amyl methyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	µg/m³	<1.3	<1.3	1.8 J	1.5 J	<1.3	<15	<18	<19	1.6 J	1.7 J	3.7 J	--
Benzyl chloride	µg/m³	<4.2	<4.2	<4.2	10 J	<4.2	<50	<62	<64	<4.2	<4.2	<4.2	--
Bromodichloromethane	µg/m³	9.3 J	14	<2.2	<2.2	<2.2	<26	<32	<33	<2.2	<2.2	<2.2	--
Bromoform	µg/m³	<3.6	<3.6	<3.6	4.5 J	<3.6	<43	<53	<55	<3.6	<3.6	<3.6	--
Bromomethane	µg/m³	<6.5	<6.5	<6.5	<6.5	<6.5	<77	<95	<98	<6.5	<6.5	<6.5	--
1,3-Butadiene	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	µg/m³	<2.9	3.5 J	5.1 J	4.1 J	5.6 J	<35	<43	<44	8.5 J	8.6 J	9.9 J	--
Carbon disulfide	µg/m³	11 J	9.2 J	22	22	5.8 J	<14	<18	<18	49	82	12 J	--
Carbon tetrachloride	µg/m³	<2.0	<2.0	2.1 J	2.7 J	3.0 J	210 J	410	440	<2.0	<2.0	<2.0	--
Chlorobenzene	µg/m³	<1.5	<1.5	<1.5	5.5 J	<1.5	<18	<22	<22	<1.5	<1.5	8.2	--
Chloroethane	µg/m³	<4.1	<4.1	<4.1	<4.1	<4.1	<48	<59	<61	<4.1	<4.1	<4.1	--
Chloroform	µg/m³	390	490	250	270	650	7,500	13,000	15,000	140	94	17	--
Chloromethane	µg/m³	<2.0	<2.0	<2.0	<2.0	<2.0	<24	<30	<31	<2.0	<2.0	<2.0	--
Cyclohexane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	µg/m³	<3.4	<3.4	<3.4	<3.4	<3.4	<40	<49	<51	<3.4	<3.4	<3.4	--
1,2-Dibromoethane	µg/m³	<2.9	<2.9	<2.9	<2.9	<2.9	<34	<42	<44	<2.9	<2.9	<2.9	--
1,2-Dichlorobenzene	µg/m³	<3.9	<3.9	<3.9	7.3 J	<3.9	<47	<57	<59	<3.9	<3.9	<3.9	--
1,3-Dichlorobenzene	µg/m³	<3.3	<3.3	<3.3	7.8 J	<3.3	<39	<48	<50	<3.3	<3.3	<3.3	--
1,4-Dichlorobenzene	µg/m³	<4.5	<4.5	<4.5	6.7 J	<4.5	<53	<65	<68	<4.5	<4.5	<4.5	--
Dichlorodifluoromethane	µg/m³	4.0 J	<3.6	3.9 J	3.6 J	3.9 J	<43	<52	<54	3.7 J	3.9 J	6.6 J	--
1,1-Dichloroethane	µg/m³	<1.5	<1.5	<1.5	<1.5	2.3 J	<17	22 J	22 J	<1.5	<1.5	<1.5	--
1,2-Dichloroethane	µg/m³	<1.8	<1.8	<1.8	<1.8	<1.8	<21	<26	<27	<1.8	<1.8	<1.8	--
1,1-Dichloroethene	µg/m³	<1.4	<1.4	<1.4	1.5 J	7.5 J	68 J	140 J	150 J	<1.4	<1.4	1.9 J	--
cis-1,2-Dichloroethene	µg/m³	<1.8	<1.8	<1.8	<1.8	<1.8	<21	<26	<27	<1.8	<1.8	<1.8	--
trans-1,2-Dichloroethene	µg/m³	<2.0	<2.0	<2.0	<2.0	<2.0	<24	<29	<30	<2.0	<2.0	<2.0	--
1,2-Dichloropropane	µg/m³	<5.5	<5.5	<5.5	<5.5	<5.5	<66	<81	<84	<5.5	<5.5	<5.5	--
cis-1,3-Dichloropropene	µg/m³	<2.4	<2.4	<2.4	<2.4	<2.4	<28	<34	<36	<2.4	<2.4	<2.4	--
trans-1,3-Dichloropropene	µg/m³	<2.0	<2.0	<2.0	<2.0	<2.0	<24	<29	<30	<2.0	<2.0	<2.0	--
Diisopropyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Ethanol	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl acetate	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl benzene	µg/m³	<1.4	<1.4	4.4 J	5.7 J	<1.4	<16	<20	<21	11	11	5.9 J	--
Ethyl tert-butyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
4-Ethyltoluene	µg/m³	<4.6	<4.6	<4.6	<4.6	<4.6	<55	<67	<69	<4.6	<4.6	<4.6	--
Freon 113	µg/m³	<6.2	<6.2	<6.2	<6.2	<6.2	<74	<91	<94	<6.2	<6.2	<6.2	--
Freon 114	µg/m³	<5.4	<5.4	<5.4	<5.4	<5.4	<64	<79	<82	<5.4	<5.4	<5.4	--
n-Heptane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	µg/m³	<23	<23	<23	<23	<23	<270	<340	<350	<23	<23	<23	--
n-Hexane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	µg/m³	<1.8	<1.8	<1.8	2.6 J	<1.8	<21	<26	<27	<1.8	<1.8	<1.8	--
Methyl tert-butyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/m³	<1.3	<1.3	1.5 J	<1.3	<1.3	16 J	23 J	23 J	<1.3	1.3 J	2.0 J	--
Methylmethacrylate	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	µg/m³	<2.8	<2.8	<2.8	<2.8	<2.8	<33	<40	<42	<2.8	<2.8	<2.8	--
Propylene	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	µg/m³	<1.3	<1.3	<1.3	6.1 J	<1.3	<15	<18	<19	<1.3	<1.3	<1.3	--
1,1,1,2-Tetrachloroethane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	µg/m³	<2.4	<2.4	<2.4	5.6 J	<2.4	<28	<35	<36	<2.4	<2.4	<2.4	--
Tetrachloroethene	µg/m³	66	69	120	140	160	180	410	480	110	82	19	--
Tetrahydrofuran	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	µg/m³	2.2 J	2.8 J	14	11	1.7 J	15 J	<14	<15	8.6	5.1 J	8.3	--
1,2,4-Trichlorobenzene	µg/m³	<16	<16	<16	<16	<16	<190	<240	<240	<16	<16	<16	--
1,1,1-Trichloroethane	µg/m³	<1.8	<1.8	<1.8	<1.8	<1.8	<21	<26	<27	<1.8	<1.8	<1.8	--
1,1,2-Trichloroethane	µg/m³	<1.8	<1.8	<1.8	<1.8	<1.8	<22	<27	<28	<1.8	<1.8	<1.8	--
Trichloroethene	µg/m³	<2.8	<2.8	9.7 J	11	21	<34	44 J	52 J	3.5 J	6.3 J	<2.8	--
Trichlorofluoromethane	µg/m³	<5.5	<5.5	<5.5	<5.5	<5.5	<66	<80	<83	<5.5	<5.5	<5.5	--
1,2,4-Trimethylbenzene	µg/m³	<4.0	<4.0	<4.0	5.5 J	<4.0	<47	<58	<60	5.6 J	4.0 J	<4.0	--
1,3,5-Trimethylbenzene	µg/m³	<3.1	<3.1	<3.1	5.9 J	<3.1	<37	<45	<46	<3.1	<3.1	<3.1	--
Vinyl acetate	µg/m³	<2.6	<2.6	<2.6	<2.6	<2.6	<30	<37	<39	<2.6	<2.6	<2.6	--
Vinyl chloride	µg/m³	<1.5	<1.5	<1.5	<1.5	<1.5	<18	<22	<23	<1.5	<1.5	1.6 J	--
m,p-Xylene	µg/m³	2.6 J	<2.2	19	19	3.1 J	<26	<32	<33	33	28	3.3 J	--
o-Xylene	µg/m³	1.3 J	<1.2	8.1 J	8.6	1.4 J	<14	<17	<18	18	11	<1.2	--
Xylenes (total)	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--
tert Butyl alcohol	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
 Bold value: results were detected
 '-': not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

Table 1b. Preliminary Soil Gas Analytical Results in OU-2 (Detected VOCs only)
 RI Phase 3 Modification No. 9
 Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Unit	RISG-9			RISG-27		RISG-28		RISG-29		RISG-30	
		5 ft bgs		13 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	15 ft bgs	5 ft bgs	10 ft bgs
		3/14/2019	3/14/2019 (FD)	Not sampled*	3/15/2019	3/15/2019	3/08/2019	3/08/2019	3/11/2019	3/11/2019	3/15/2019	3/15/2019
Acetone	µg/m³	15 J	19 J	--	34	51	21 J	47	16 J	29	36	36 J
Acrolein	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	µg/m³	--	--	--	--	--	--	--	--	--	--	--
t-Amyl methyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Benzene	µg/m³	<1.3	<1.3	--	1.3 J	3.5 J	1.6 J	2.1 J	<1.3	1.3 J	8.0	5.5 J
Benzyl chloride	µg/m³	<4.2	<4.2	--	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<9.7
Bromodichloromethane	µg/m³	<2.2	<2.2	--	<2.2	5.2 J	<2.2	<2.2	5.5 J	5.9 J	5.8 J	<5.1
Bromoform	µg/m³	<3.6	<3.6	--	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<8.3
Bromomethane	µg/m³	<6.5	<6.5	--	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<15
1,3-Butadiene	µg/m³	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	µg/m³	3.3 J	3.8 J	--	4.9 J	11 J	6.2 J	17	<2.9	9.8 J	7.5 J+	<6.7
Carbon disulfide	µg/m³	26	11 J	--	19	10 J	17	16	26	15	8.9 J	34
Carbon tetrachloride	µg/m³	<2.0	<2.0	--	37	63	<2.0	<2.0	3.8 J	5.2 J	2.2 J	<4.6
Chlorobenzene	µg/m³	<1.5	<1.5	--	<1.5	<1.5	2.3 J	<1.5	<1.5	<1.5	2.3 J	<3.4
Chloroethane	µg/m³	17	17	--	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	140	93
Chloroform	µg/m³	34	35	--	830	1,700	67	62	360	670	110	90
Chloromethane	µg/m³	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.7
Cyclohexane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	µg/m³	<3.4	<3.4	--	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<7.7
1,2-Dibromoethane	µg/m³	<2.9	<2.9	--	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<6.6
1,2-Dichlorobenzene	µg/m³	<3.9	<3.9	--	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<9.0
1,3-Dichlorobenzene	µg/m³	<3.3	<3.3	--	<3.3	<3.3	6.2 J	<3.3	6.9 J	7.1 J	<3.3	<7.6
1,4-Dichlorobenzene	µg/m³	<4.5	<4.5	--	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<10
Dichlorodifluoromethane	µg/m³	3.9 J	4.1 J	--	3.8 J	<3.6	4.1 J	3.7 J	4.4 J	3.9 J	3.7 J	<8.2
1,1-Dichloroethane	µg/m³	11	11	--	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	120	95
1,2-Dichloroethane	µg/m³	<1.8	<1.8	--	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.1 J	<4.1
1,1-Dichloroethene	µg/m³	<1.4	<1.4	--	<1.4	1.6 J	<1.4	<1.4	<1.4	1.5 J	5.7 J	5.0 J
cis-1,2-Dichloroethene	µg/m³	<1.8	<1.8	--	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<4.1
trans-1,2-Dichloroethene	µg/m³	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.6
1,2-Dichloropropane	µg/m³	<5.5	<5.5	--	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<13
cis-1,3-Dichloropropene	µg/m³	<2.4	<2.4	--	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<5.4
trans-1,3-Dichloropropene	µg/m³	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.6
Diisopropyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Ethanol	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Ethyl acetate	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Ethyl benzene	µg/m³	<1.4	<1.4	--	1.8 J	3.6 J	1.9 J	<1.4	35	3.8 J	1.4 J	<3.1
Ethyl tert-butyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--
4-Ethyltoluene	µg/m³	<4.6	<4.6	--	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<11
Freon 113	µg/m³	<6.2	<6.2	--	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<14
Freon 114	µg/m³	<5.4	<5.4	--	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<12
n-Heptane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	µg/m³	<23	<23	--	<23	38 J	<23	<23	<23	<23	<23	<53
n-Hexane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	µg/m³	<1.8	<1.8	--	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<4.1
Methyl tert-butyl ether	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/m³	3.9 J	4.0 J	--	2.0 J	3.5 J	1.3 J	2.6 J	<1.3	<1.3	25	12 J
Methylmethacrylate	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	µg/m³	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	µg/m³	<2.8	<2.8	--	<2.8	<2.8	<2.8	<2.8	<2.8	5.8 J	<2.8	<6.4
Propylene	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Styrene	µg/m³	<1.3	<1.3	--	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<2.9
1,1,1,2-Tetrachloroethane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	µg/m³	<2.4	<2.4	--	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<5.4
Tetrachloroethene	µg/m³	12 J	11 J	--	72	140	110	190	270	460	68	69
Tetrahydrofuran	µg/m³	--	--	--	--	--	--	--	--	--	--	--
Toluene	µg/m³	2.4 J	1.8 J	--	4.9 J	3.3 J	3.4 J	2.6 J	3.3 J	2.9 J	6.7 J	2.3 J
1,2,4-Trichlorobenzene	µg/m³	<16	<16	--	<16	<16	<16	<16	<16	<16	<16	<37
1,1,1-Trichloroethane	µg/m³	<1.8	<1.8	--	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<4.1
1,1,2-Trichloroethane	µg/m³	<1.8	<1.8	--	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<4.2
Trichloroethene	µg/m³	9.3 J	9.7 J	--	<2.8	<2.8	<2.8	<2.8	3.1 J	7.7 J	160	130
Trichlorofluoromethane	µg/m³	<5.5	<5.5	--	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<13
1,2,4-Trimethylbenzene	µg/m³	<4.0	<4.0	--	<4.0	<4.0	<4.0	<4.0	6.8 J	4.4 J	<4.0	<9.2
1,3,5-Trimethylbenzene	µg/m³	<3.1	<3.1	--	<3.1	<3.1	<3.1	<3.1	4.8 J	<3.1	<3.1	<7.1
Vinyl acetate	µg/m³	<2.6	<2.6	--	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<5.9
Vinyl chloride	µg/m³	<1.5	<1.5	--	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3.5
m,p-Xylene	µg/m³	3.8 J	2.2 J	--	6.1 J	13 J	6.4 J	2.9 J	150	16 J	5.2 J	<5.0
o-Xylene	µg/m³	1.8 J	<1.2	--	2.6 J	5.1 J	2.9 J	1.4 J	75	6.7 J	2.2 J	<2.7
Xylenes (total)	µg/m³	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	µg/m³	--	--	--	--	--	--	--	--	--	--	--
tert Butyl alcohol	µg/m³	--	--	--	--	--	--	--	--	--	--	--

Notes:
 Bold value: results were detected
 '-': not analyzed
 (FD) = field duplicate
 ft bgs = feet below ground surface
 * Not sampled due to water in purge line
 µg/m³ = micrograms per cubic meter
 J : Estimated value
 J- : Estimated value, potential negative bias
 UJ : The analyte was not detected, and the detection limit is an estimated quantity
 < : Not detected above laboratory reporting limits

**Table 2a. Groundwater Analytical Results for Volatile Organic Compounds in OU-1
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																			
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)	
SHALLOW WATER-BEARING ZONE WELLS (0 - 90 ft bgs)																								
H-28A	28	45	Qal	Qal	05/14/18	1,800	13	1,700	18	<5.0	26	<5.0	<5.0	<8.0	<10	<5.0	13	24	16	<5.0	<5.0	<0.050	<18	
M-2A	36	46	Qal	Qal	05/17/18	610	<1.0	<1.0	<1.0	<1.0	<1.0	590	<1.0	<1.6	1.9 J	<1.0	14	<1.0	<1.0	<1.0	<1.0	0.081	<3.5	
M-5A	40	50	UMCf-fg1	UMCf-fg1	05/14/18	3,200	22	3,000	37	<10	49	<10	<10	<16	<25	<10	15 J	33	28	<10	<10	<0.13	<35	
M-5D	60	70	UMCf-fg1	na (1)	10/20/17	750	190	510	<0.50	<0.50	<0.50	3.4	<0.50	<0.80	<0.50	<0.50	<0.50	23	25	<0.50	<0.50	0.0075	<1.8	
M-6A	27	43	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	4.2	<0.25	<0.25	<0.25	<0.25	<0.25	1.5	<0.25	<0.40	<0.50	0.37 J	<0.25	1.8	0.55	<0.25	<0.25	0.0077	<0.88	
M-7B	26	51	Qal/ UMCf-fg1	UMCf-fg1	05/11/18	4.2	<0.25	<0.25	<0.25	<0.25	<0.25	1.3	<0.25	<0.40	<0.50	<0.25	<0.25	1.9	1.0	<0.25	<0.25	0.012	<0.88	
M-10	43	63	UMCf-fg1	UMCf-fg1	05/17/18	23	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.051	<0.88	
M-11	33	53	Qal/ UMCf-fg1	Qal	05/17/18	84	<0.50	<0.50	<0.50	<0.50	<0.50	84	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.0094	<1.8	
M-12A	40	50	UMCf-fg1	UMCf-fg1	05/17/18	310	<1.3	<1.3	<1.3	<1.3	<1.3	310	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	0.014	<4.4	
M-13	28	48	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	27	<0.25	<0.25	<0.25	<0.25	<0.25	14	<0.25	<0.40	6.3	<0.25	6.4	0.55	<0.25	<0.25	<0.25	0.017	<0.88	
M-14A	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	150	<0.63	<0.63	<0.63	<0.63	<0.63	150	<0.63	<1.0	<0.50	<0.63	1.2 J	<0.63	<0.63	<0.63	1.1 J	0.13	<2.2	
M-14D	70	80	UMCf-fg1	na (1)	10/18/17	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	<0.50	<0.25	0.69	<0.25	<0.25	<0.25	0.68	0.40	<0.88	
M-19	15	35	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	120	<0.25	<0.25	<0.25	<0.25	<0.25	120	0.25 J	<0.40	<0.50	0.51	<0.25	<0.25	<0.25	<0.25	0.48 J	0.028	<0.88	
M-21	18	38	Qal/ UMCf-fg1	UMCf-fg1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-21D	40	55	UMCf-fg1	UMCf-fg1	11/01/17	31	<0.25	<0.25	<0.25	<0.25	<0.25	25	0.36 J	<0.40	1.3 J	<0.25	3.3	<0.25	<0.25	0.61	<0.25	0.062	<0.88	
M-22A	16	36	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	1,400	<2.5	<2.5	<2.5	<2.5	<2.5	1,400	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.13	<8.8	
M-22D	55	65	UMCf-fg1	na (1)	10/17/17	140	<0.25	<0.25	<0.25	<0.25	<0.25	140	0.87	<0.40	<0.50	<0.25	<0.25	<0.25	0.33 J	<0.25	0.71	0.16	<0.88	
M-23	9	37	Qal	Qal	05/11/18	720	<2.5	<2.5	<2.5	<2.5	<2.5	720	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.30	<8.8	
M-25	24	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	270	<1.0	<1.0	<1.0	<1.0	<1.0	260	<1.0	<1.6	2.6	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	0.13	<3.5	
M-29	22	42	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-31A	35	55	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	120	<0.25	<0.25	<0.25	<0.25	<0.25	120	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.018	<0.88	
M-32	30	45	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88	
M-33	30	45	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	45	<0.25	<0.25	<0.25	<0.25	<0.25	45	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.014	<0.88	
M-35	25	40	Qal/ UMCf-fg1	Qal	05/16/18	140	<0.50	<0.50	<0.50	<0.50	<0.50	140	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.018	<1.8	
M-36	20	35	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-36D	55	65	UMCf-fg1	UMCf-fg1	10/18/17	1,000	<0.63	<0.63	2.6	<0.63	0.63 J	1,000	1.3	2.7	<0.50	<0.63	1.2 J	<0.63	<0.63	<0.63	<0.63	0.28	<2.2	
M-37	20	35	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	18	<0.25	<0.25	<0.25	<0.25	<0.25	16	<0.25	<0.40	0.90 J	<0.25	0.31 J	<0.25	<0.25	0.87	<0.25	0.17	<0.88	
M-38	20	35	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	860	<2.5	<2.5	<2.5	<2.5	<2.5	840	<2.5	<4.0	1.4 J	<2.5	6.3	<2.5	<2.5	<2.5	<2.5	0.085	15 J	
M-39R	25	40	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-52	35	45	UMCf-fg1	UMCf-fg1	05/16/18	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.019	0.96 J	
M-55	15	45	Qal/ UMCf-fg1	Qal	11/07/17	370	<0.25	<0.25	0.54	<0.25	0.46 J	360	0.30 J	1.5	2.5	0.33 J	6.5	<0.25	<0.25	<0.25	0.64	0.14	<0.88	
M-57A	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/11/18	690	<2.5	<2.5	<2.5	<2.5	<2.5	690	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.5 J	0.21	<8.8
M-58	15	45	Qal/ UMCf-fg1	Qal	11/08/17	1,300	<0.63	<0.63	<0.63	<0.63	<0.63	1,300	<0.63	<1.0	<0.50	<0.63	0.73 J	<0.63	<0.63	<0.63	0.71 J	0.11	<2.2	
M-64	13	38	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	270	<1.0	<1.0	1.1 J	<1.0	<1.0	260	<1.0	<1.6	1.4 J	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	0.15	6.6 J	
M-65	14	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	810	<2.5	<2.5	<2.5	<2.5	<2.5	810	<2.5	<4.0	0.53 J	<2.5	3.2 J	<2.5	<2.5	<2.5	<2.5	0.11	<8.8	
M-65D	60	70	UMCf-fg1	na (1)	10/17/17	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	0.35 J	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.32 J	0.12	<0.88	
M-66	18	43	Qal/ UMCf-fg1	Qal	05/15/18	850	<0.63	<0.63	<0.63	<0.63	<0.63	850	<0.63	1.4 J	<2.0	<0.63	1.1 J	<0.63	<0.63	<0.63	<0.63	0.10	<2.2	
M-66D	60	70	UMCf-fg1	na (1)	10/16/17	170	<0.25	<0.25	<0.25	<0.25	<0.25	170	1.0	<0.40	<0.50	<0.25	0.31 J	<0.25	<0.25	<0.25	0.60	0.11	<0.88	

**Table 2a. Groundwater Analytical Results for Volatile Organic Compounds in OU-1
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																			
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)	
M-67	8	38	Qal/ UMCf-fg1	Qal	05/16/18	590	<2.5	<2.5	<2.5	<2.5	<2.5	590	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.049	<8.8	
M-68	11	40	Qal/ UMCf-fg1	Qal	05/15/18	340	<1.3	<1.3	<1.3	<1.3	<1.3	340	<1.3	<2.0	0.54 J	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	0.061	<4.4	
M-69	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	55	<0.25	<0.25	3.6	0.43 J	0.98	47	<0.25	<0.40	0.67 J	0.43 J	1.1	<0.25	<0.25	<0.25	<0.25	0.32	<0.88	
M-70	15	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	290	<0.50	<0.50	1.3	0.92 J	1.1	280	<0.50	1.9 J	<0.50	<0.50	0.63 J	<0.50	<0.50	<0.50	3.4	0.12	<1.8	
M-71	18	42	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	220	<0.63	<0.63	0.81 J	<0.63	<0.63	210	<0.63	<1.0	1.1 J	<0.63	2.3	<0.63	<0.63	<0.63	0.81 J	0.10	<2.2	
M-72	10	35	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	740	<2.5	<2.5	<2.5	<2.5	<2.5	740	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.13	<8.8	
M-72D	60	70	UMCf-fg1	na (1)	10/18/17	93	<0.25	<0.25	<0.25	<0.25	<0.25	92	0.41 J	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.36 J	0.052	<0.88	
M-73	11	36	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	690	<2.5	<2.5	<2.5	<2.5	<2.5	650	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.053	<8.8	
M-74	9	39	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	240	<1.0	<1.0	<1.0	<1.0	<1.0	240	<1.0	<1.6	0.53 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.058	<3.5	
M-75	35	50	Qal/ UMCf-fg1	Qal	05/16/18	140	<0.25	<0.25	<0.25	<0.25	<0.25	140	<0.25	<0.40	1.0 J	0.34 J	0.56	<0.25	<0.25	2.7	<0.25	0.091	<0.88	
M-76	35	50	Qal/ UMCf-fg1	Qal	05/16/18	70	<0.25	<0.25	<0.25	<0.25	<0.25	54	<0.25	<0.40	0.56 J	<0.25	1.4	<0.25	<0.25	14	0.26 J	0.17	<0.88	
M-77	29	44	Qal/ UMCf-fg1	Qal	05/12/17	23	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.013	<0.88	
M-79	11	35	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	58	<0.25	<0.25	3.6	0.35 J	1.0	52	<0.25	<0.40	<0.50	0.41 J	<0.25	<0.25	<0.25	<0.25	<0.25	0.34	<0.88	
M-80	12	42	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	240	<0.63	<0.63	0.63 J	<0.63	<0.63	230	<0.63	2.3 J	<0.50	<0.63	<0.63	<0.63	<0.63	<0.63	3.2	0.067	<2.2	
M-81A	30	40	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	310	<1.3	<1.3	1.4 J	2.2 J	<1.3	300	<1.3	<2.0	<0.50	3.0	<1.3	<1.3	<1.3	<1.3	3.1	0.12	<4.4	
M-81D	60	70	UMCf-fg1	na (1)	10/23/17	160	<0.25	1.3	<0.25	<0.25	<0.25	160	0.43 J	0.44 J	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.043	<0.88	
M-83	11	40	Qal/ UMCf-fg1	Qal	05/16/18	180	<0.63	<0.63	1.0 J	0.77 J	0.84 J	170	<0.63	1.8 J	<0.50	<0.63	<0.63	<0.63	<0.63	<0.63	3.6	0.16	2.2 J	
M-83D	60	70	UMCf-fg1	na (1)	11/02/17	0.66	<0.25	<0.25	<0.25	<0.25	<0.25	0.66	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88	
M-92	35	45	UMCf-fg1	UMCf-fg1	05/15/18	78	<0.25	<0.25	<0.25	<0.25	<0.25	67	<0.25	<0.40	0.89 J	<0.25	7.6	<0.25	<0.25	1.9	0.81	0.089	<0.88	
M-93	35	45	UMCf-fg1	UMCf-fg1	05/15/18	66	<0.25	<0.25	<0.25	<0.25	<0.25	55	<0.25	<0.40	2.1	<0.25	5.3	<0.25	<0.25	2.7	0.53	0.44	<0.88	
M-97	35	45	UMCf-fg1	UMCf-fg1	05/30/18	150	<0.25	<0.25	<0.25	<0.25	<0.25	6.1	0.27 J	<0.40	6.3	<0.25	23	0.34 J	<0.25	110	<0.25	0.17	<0.88	
M-98	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-99	16	31	Qal/ UMCf-fg1	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-100	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-101	17	27	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-103	70	90	UMCf-fg1	UMCf-fg1	05/11/17	0.34	<0.25	<0.25	<0.25	<0.25	<0.25	0.34 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88	
M-115	35	45	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	52	<0.25	<0.25	<0.25	<0.25	<0.25	46	<0.25	<0.40	0.75 J	<0.25	2.9	<0.25	<0.25	1.8	0.50	0.31	<0.88	
M-120	80	100	UMCf-cg1	UMCf-cg1	05/16/18	4.9	<0.25	<0.25	<0.25	<0.25	<0.25	3.8	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	1.1 J	
M-121	77	97	UMCf-cg1	UMCf-cg1	05/16/18	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	1.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88	
M-123	36	51	UMCf-fg1	UMCf-fg1	05/16/18	67,000	17,000	31,000	1,200	<100	2,100	15,000	<100	<160	<50	<100	<100	<100	<100	<100	<100	530	<0.25	<350
M-124	34	49	UMCf-fg1	UMCf-fg1	05/16/18	420	<1.0	<1.0	<1.0	<1.0	<1.0	410	<1.0	<1.6	<1.0	<1.0	3.5	<1.0	<1.0	<1.0	6.7	<0.0050	3.8 J	
M-125	35	50	UMCf-fg1	UMCf-fg1	05/14/18	40,000	4,900	19,000	<50	<50	<50	16,000	<50	<80	<25	<50	<50	<50	<50	<50	<50	52 J	<0.13	390 J
M-125D	60	70	UMCf-fg1	na (1)	10/20/17	52,000	11,000	16,000	<25	<25	<25	25,000	<25	<40	1.2 J-	<25	<25	<25	<25	<25	71	0.0060 J-	<88	
M-126	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	30,000	4,300	5,200	540	95 J	760	19,000	<50	<80	<25	<50	<50	<50	<50	<50	<50	<0.13	<180	
M-128	40	55	UMCf-fg1	UMCf-fg1	01/30/15	62	<0.25	<0.25	<0.25	<0.25	<0.25	56	<0.25	<0.40	0.51 J	<0.25	2.7	<0.25	<0.25	1.3	0.89	0.28	<0.88	
M-129	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	230	<0.63	<0.63	<0.63	<0.63	<0.63	220	<0.63	<1.0	0.56 J	0.80 J	<0.63	<0.63	<0.63	<0.63	<0.63	0.056	4.2 J	
M-132	80	90	UMCf-fg1	UMCf-fg1	05/16/18	50	<0.25	<0.25	<0.25	<0.25	<0.25	50	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0051	<0.88	
M-133	60	70	UMCf-fg1	UMCf-fg1	05/16/18	230	<1.3	<1.3	<1.3	<1.3	<1.3	230	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	0.030	<4.4	
M-134	60	70	UMCf-fg1	UMCf-fg1	05/14/18	160	<0.25	<0.25	<0.25	<0.25	<0.25	160	<0.25	<0.40	0.59 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.71	0.044	<0.88

**Table 2a. Groundwater Analytical Results for Volatile Organic Compounds in OU-1
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																		
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)
M-135	29	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	190	5.5	10	<0.50	<0.50	<0.50	170	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.77 J	0.32	3.4 J
M-136	80	90	UMCf-fg1	na (1)	05/14/18	11	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	1.1 J
M-137	52	72	UMCf-cg1	UMCf-cg1	05/16/18	3.3	<0.25	<0.25	<0.25	<0.25	<0.25	0.74	<0.25	<0.40	<0.50	<0.25	2.6	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-138	50	65	UMCf-cg1	UMCf-cg1	05/17/18	3.1	<0.25	<0.25	<0.25	<0.25	<0.25	2.8	<0.25	<0.40	<0.50	0.32 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-139	45	60	UMCf-fg1	UMCf-fg1	05/17/18	2.2	<0.25	<0.25	<0.25	<0.25	<0.25	2.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-140	24	44	Qal/ UMCf-fg1	Qal	05/17/18	57	<0.25	<0.25	0.99	<0.25	0.55	55	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.17	<0.88
M-140D	60	70	UMCf-fg1	na (1)	10/18/17	10	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0058	<0.88
M-141	40	50	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	320	<0.63	<0.63	<0.63	<0.63	<0.63	320	<0.63	<1.0	0.58 J	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	0.022	<2.2
M-142	30	45	UMCf-fg1	UMCf-fg1	05/16/18	73	<0.25	<0.25	<0.25	<0.25	<0.25	69	<0.25	<0.40	<0.50	<0.25	2.7	<0.25	<0.25	<0.25	0.67	0.19	<0.88
M-144	35	45	UMCf-fg1	UMCf-fg1	05/16/18	19	<0.25	<0.25	<0.25	<0.25	<0.25	1.8	<0.25	<0.40	2.8	<0.25	2.3	<0.25	<0.25	12	<0.25	<0.0025	<0.88
M-145	45	60	UMCf-fg1	UMCf-fg1	05/17/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-146	40	50	UMCf-fg1	UMCf-fg1	01/30/15	4.6	<0.25	<0.25	<0.25	<0.25	<0.25	2.0	<0.25	<0.40	<0.50	<0.25	1.7	<0.25	<0.25	0.53	<0.25	<0.0025	<0.88
M-147	25	40	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	32	<0.25	<0.25	<0.25	<0.25	<0.25	31	<0.25	<0.40	0.51 J	0.57	<0.25	<0.25	<0.25	<0.25	<0.25	0.018	<0.88
M-148A	40	50	Qal/ UMCf-fg1	Qal	05/17/18	6.0	<0.25	<0.25	<0.25	<0.25	<0.25	5.7	<0.25	<0.40	<0.50	0.26 J	<0.25	<0.25	<0.25	<0.25	<0.25	0.0039 J	<0.88
M-159	65	75	UMCf-fg1	na (1)	03/12/19	2,300	<2.5	<2.5	<2.5	<2.5	<2.5	2,300	<2.5	<4.0	<13	<2.5	<2.5	<2.5	<2.5	<2.5	20	<0.063	<8.8
M-160	40	50	UMCf-fg1	na (1)	03/12/19	4,400	<5.0	<5.0	<5.0	<5.0	<5.0	4,300	<5.0	<8.0	<13	<5.0	<5.0	<5.0	<5.0	<5.0	67	<0.063	<18
M-163	80	90	UMCf-fg1	na (1)	05/15/18	0.26	<0.25	<0.25	<0.25	<0.25	<0.25	0.26 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-164	60	70	UMCf-fg1	na (1)	05/15/18	200	<0.63	<0.63	<0.63	<0.63	<0.63	200	<0.63	<1.0	<0.50	<0.63	2.3	<0.63	<0.63	<0.63	<0.63	0.070	<2.2
M-182	80	90	UMCf-fg1	na (1)	05/15/18	1,100	<5.0	<5.0	<5.0	<5.0	<5.0	1,100	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.10	<18
M-189	35	50	UMCf-fg1	UMCf-fg1	05/16/18	1.4	<0.25	<0.25	<0.25	<0.25	<0.25	1.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-190	35	50	UMCf-fg1	UMCf-fg1	05/17/18	11	<0.25	<0.25	<0.25	<0.25	<0.25	11	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0076	<0.88
M-191	35	50	UMCf-fg1	UMCf-fg1	05/17/18	65	<0.25	<0.25	<0.25	<0.25	<0.25	64	0.31 J	<0.40	<0.50	0.40 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-192	35	50	UMCf-fg1	UMCf-fg1	05/17/18	13	<0.25	<0.25	<0.25	<0.25	<0.25	13	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0028 J	<0.88
M-193	35	50	UMCf-fg1	UMCf-fg1	05/16/18	13	<0.25	<0.25	<0.25	<0.25	<0.25	13	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0087	<0.88
M-201	62	72	UMCf-fg1	na (1)	10/19/17	32,000	3,700	20,000	430	23 J	730	6,700	<13	<20	<0.50	<13	<13	<13	<13	<13	370	0.012	<44
M-202	40	55	UMCf-fg1	UMCf-fg1	10/20/17	10,000	420	3,700	16	<5.0	22	5,700	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	170	0.0083	<18
M-203	30	50	UMCf-fg1	UMCf-fg1	10/20/17	50	5.7	36	<0.25	<0.25	0.49 J	6.1	<0.25	<0.40	<0.50	<0.25	<0.25	1.3	0.86	<0.25	<0.25	0.0051	<0.88
M-205	30	50	UMCf-fg1	UMCf-fg1	11/03/17	5.7	<0.25	<0.25	<0.25	<0.25	0.39 J	2.3	<0.25	<0.40	0.50 J	<0.25	<0.25	1.3	1.2	<0.25	<0.25	0.019	<0.88
M-206	30	50	UMCf-fg1	UMCf-fg1	11/03/17	800	<0.50	<0.50	<0.50	<0.50	<0.50	790	<0.50	<0.80	1.1 J	0.56 J	0.52 J	<0.50	<0.50	<0.50	9.8	0.16	<1.8
M-207	25	45	UMCf-fg1	UMCf-fg1	09/07/17	450	<0.25	<0.25	<0.25	<0.25	<0.25	450	<0.25	<0.40	<0.50	<0.25	0.33 J	<0.25	<0.25	<0.25	2.7	0.20	<0.88
M-208	25	45	Qal/ UMCf-fg1	UMCf-fg1	11/06/17	280	<0.25	<0.25	0.77	0.89	0.49 J	270	0.27 J	0.67 J	<0.50	0.35 J	0.26 J	<0.25	<0.25	<0.25	6.4	0.091	<0.88
M-209	50	60	UMCf-fg1	na (1)	11/06/17	400	<0.25	<0.25	<0.25	<0.25	<0.25	400	0.43 J	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	4.2	0.069	<0.88
M-210	70	80	UMCf-fg1	na (1)	11/06/17	2.3	<0.25	<0.25	<0.25	<0.25	<0.25	2.3	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-211	25	45	Qal/ UMCf-fg1	UMCf-fg1	11/06/17	160	<0.25	<0.25	<0.25	0.30 J	<0.25	160	<0.25	<0.40	<0.50	0.67	<0.25	<0.25	<0.25	<0.25	2.5	0.086	<0.88
M-212	60	70	UMCf-fg1	na (1)	11/06/17	23	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0062	<0.88
M-214	30	50	UMCf-fg1	UMCf-fg1	11/03/17	150	<0.25	<0.25	<0.25	<0.25	<0.25	150	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	1.0	0.056	<0.88
M-215	25	45	UMCf-fg1	UMCf-fg1	10/23/17	130	<0.25	0.68	0.74	0.56	0.60	120	0.32 J	0.69 J	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	1.9	0.037	<0.88
M-216	25	45	UMCf-fg1	UMCf-fg1	11/02/17	160	<0.25	<0.25	1.3	1.1	0.56	150	<0.25	<0.40	<0.50	0.57	0.39 J	<0.25	<0.25	<0.25	3.9	0.061	<0.88
M-217	55	65	UMCf-fg1	na (1)	11/02/17	95	<0.25	<0.25	<0.25	<0.25	<0.25	94	0.66	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.31 J	0.049	<0.88

**Table 2a. Groundwater Analytical Results for Volatile Organic Compounds in OU-1
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																		
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)
M-219	25	45	UMCf-fg1	UMCf-fg1	10/23/17	330	<0.25	0.87	<0.25	<0.25	<0.25	320	0.31 J	<0.40	<0.50	0.32 J	<0.25	<0.25	<0.25	<0.25	5.1	0.069	<0.88
M-220	60	70	UMCf-fg1	na (1)	11/02/17	9.1	<0.25	<0.25	<0.25	<0.25	<0.25	9.1	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-221	75	85	UMCf-fg1	na (1)	10/17/17	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-223	40	55	UMCf-fg1	na (1)	11/07/17	8,600	630	3,900	260	11	420	3,200	<2.5	<4.0	<0.50	3.2 J	<2.5	<2.5	<2.5	<2.5	110	<0.0025	19 J
M-224R	60	80	UMCf-fg1	na (1)	04/13/18	210,000	16,000	170,000	3,300	160 J	6,600	15,000	<130	<200	<10	<130	<130	<130	<130	<130	950	<0.25	<440
M-226	40	55	UMCf-fg1	na (1)	10/23/17	12,000	660	5,400	63	<5.0	170	5,900	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	150	0.0045 J	<18
M-227R	60	80	UMCf-fg1	na (1)	04/13/18	38,000	4,800	26,000	410	20 J	800	5,600	<13	<20	<25	<13	<13	<13	<13	<13	320	<0.13	<44
M-229	40	55	UMCf-fg1	na (1)	11/07/17	2,000	<2.5	<2.5	<2.5	<2.5	<2.5	2,000	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	16	0.10	13 J
M-230	70	90	UMCf-fg1	na (1)	11/07/17	220	<0.25	<0.25	<0.25	<0.25	<0.25	220	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.33 J	0.011	1.3 J
M-234	65	85	UMCf-fg1	na (1)	11/06/17	2,100	<1.3	<1.3	<1.3	<1.3	<1.3	2,000	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<1.3	<1.3	56	0.0052	<4.4
M-237	45	60	UMCf-fg1	UMCf-fg1	11/06/17	47	<0.25	<0.25	<0.25	<0.25	<0.25	1.9	<0.25	<0.40	3.6	<0.25	24	0.64	<0.25	17	<0.25	<0.0025	<0.88
M-239	65	85	UMCf-fg1	na (1)	11/01/17	31	<0.25	<0.25	<0.25	<0.25	<0.25	28	<0.25	<0.40	0.89 J	<0.25	1.9	<0.25	<0.25	<0.25	<0.25	0.0052	<0.88
M-242	38	53	UMCf-fg1	UMCf-fg1	10/27/17	940	32	860	15	0.41 J	10	1.5	<0.25	<0.40	0.85 J	<0.25	0.57	9.2	6.4	<0.25	<0.25	0.0046 J	<0.88
M-243	60	70	UMCf-fg1	na (1)	10/27/17	300	82	190	<0.25	<0.25	<0.25	2.0	<0.25	<0.40	0.50 UJ	<0.25	<0.25	13	13	<0.25	<0.25	0.0025 UJ	<0.88
M-245	35	50	UMCf-fg1	UMCf-fg1	10/27/17	180	80	68	0.64	<0.25	0.76	25	<0.25	<0.40	<0.50	<0.25	<0.25	0.91	0.69	<0.25	<0.25	0.0051	1.7 J
M-246	60	70	UMCf-fg1	na (1)	10/27/17	1,000	540	420	<0.25	<0.25	<0.25	36 J	<0.25	<0.40	<0.50	<0.25	<0.25	1.7	1.1	<0.25	<0.25	<0.0025	<0.88
M-247-60	61	71	UMCf-fg1	na (1)	11/03/17	2.4	<0.50	<0.50	<0.50	---	<0.50	2.4	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	0.0031 J	<2.0
M-249-60	60	70	UMCf-fg1	na (1)	11/13/17	23	<0.50	<0.50	<0.50	---	<0.50	23	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.0050	<2.0
M-251-60	53	63	UMCf-fg1	na (1)	11/14/17	31	<0.50	<0.50	<0.50	---	<0.50	31	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.0050	<2.0
M-253-60	61	71	UMCf-fg1	na (1)	11/07/17	9.2	<0.50	<0.50	<0.50	---	<0.50	8.2	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	0.0053	1.0 J
M-255-60	60	70	UMCf-fg1	na (1)	11/09/17	130	<0.50	<0.50	<0.50	---	<0.50	130	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	0.012	<2.0
M-256-60	60	70	UMCf-fg1	na (1)	11/07/17	38	<0.50	<0.50	<0.50	---	<0.50	38	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	0.010	<2.0
M-259-60	61	71	UMCf-fg1	na (1)	11/13/17	120	<0.50	<0.50	<0.50	---	<0.50	120	---	---	<2.0	<0.50	<0.50	---	<0.50	<0.50	<0.50	0.017	<2.0
M-260	65	75	UMCf-fg1	na (1)	03/13/19	2.3	0.64	<0.25	<0.25	<0.25	<0.25	1.7	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-261	60	75	UMCf-fg1	na (1)	03/13/19	10	<0.25	<0.25	<0.25	<0.25	<0.25	8.8	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	1.5 J
M-262	80	90	UMCf-fg1	na (1)	03/14/19	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-263	60	70	UMCf-fg1	na (1)	03/14/19	420	<0.50	<0.50	<0.50	<0.50	<0.50	420	<0.50	<0.80	1.0 J	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	0.078	<1.8
M-264	85	95	UMCf-fg1	na (1)	03/14/19	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-265	60	70	UMCf-fg1	na (1)	03/15/19	8.4	<0.25	<0.25	<0.25	<0.25	<0.25	8.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
M-267	80	95	UMCf-fg1	na (1)	03/14/19	10	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.0042 J	<0.88
M-269	60	70	UMCf-fg1	na (1)	03/11/19	320	<0.25	<0.25	<0.25	<0.25	<0.25	310	2.2	7.4	<1.0	<0.25	0.81	<0.25	<0.25	<0.25	0.27 J	0.12	<0.88
M-270	90	100	UMCf-fg1	na (1)	03/12/19	0.48	<0.25	<0.25	<0.25	<0.25	<0.25	0.48 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
MC-29	38	50	Qal/ UMCf-fg1	Qal	03/13/19	63,000	32,000	29,000	670	<50	1,100	<50	<50	<80	<100	<50	<50	60 J	<50	<50	<50	<0.50	<180
MC-45	30	34	Qal	Qal	01/27/15	88	25	39	4.5	0.36 J	6.6	2.0	<0.25	<0.40	3.3	<0.25	0.30 J	1.0	<0.25	<0.25	<0.25	<0.0025	<0.88
MC-50	24	49	Qal	Qal	05/14/18	510	2.5	480	4.0	0.57	5.9	0.61	<0.25	<0.40	3.5	<0.25	0.75	0.81	<0.25	<0.25	<0.25	<0.0025	1.1 J
MC-51	24	49	Qal/ UMCf-fg1	Qal	05/11/18	1,000	370	590	25	1.7 J	41	<1.3	<1.3	<2.0	<10	<1.3	1.5 J	2.4 J	<1.3	<1.3	<1.3	<0.050	<4.4
MC-53	20	40	Qal/ UMCf-fg1	Qal	05/10/18	7.4	<0.25	<0.25	<0.25	<0.25	0.31 J	1.3	<0.25	<0.40	2.7	1.9	<0.25	0.90	0.29 J	<0.25	<0.25	0.0030 J	<0.88
MC-93	32	42	Qal/ UMCf-fg1	Qal	05/11/18	16	<0.25	0.41 J	<0.25	<0.25	<0.25	8.8	<0.25	<0.40	1.0 J	3.9	0.42 J	1.8	<0.25	<0.25	<0.25	0.0058	<0.88
MC-97	31	41	Qal/ UMCf-fg1	Qal	03/13/19	8.8	1.1	3.7	<0.25	<0.25	0.50	<0.25	<0.25	<0.40	3.0	<0.25	0.25 J	<0.25	<0.25	<0.25	<0.25	0.0060	<0.88

**Table 2a. Groundwater Analytical Results for Volatile Organic Compounds in OU-1
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																		
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)
MW-16	25	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	460	100	260	39	2.4	47	3.2	<0.63	<1.0	<0.50	0.97 J	<0.63	2.5	1.9	<0.63	<0.63	0.0078	<2.2
TR-6	60	80	UMCf-cg1	UMCf-cg1	05/14/18	1,400	<5.0	<5.0	<5.0	<5.0	<5.0	1,400	<5.0	<8.0	<2.5	7.6 J	<5.0	<5.0	<5.0	<5.0	31	<0.013	<18
TR-8	63	93	UMCf-cg1	UMCf-cg1	05/17/18	4.4	<0.25	<0.25	<0.25	<0.25	<0.25	4.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
TR-10	80	100	UMCf-cg1	UMCf-cg1	05/16/18	2.2	<0.25	<0.25	<0.25	<0.25	<0.25	2.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88

Notes:

µg/L: micrograms per liter (parts per billion)

GW table: Groundwater table

na (1): not applicable; deeper well screened below the water table.

nm: not measured

"---" means the analyte was not tested.

J = Estimated value

UJ = The analyte was not detected, and the detection limit is an estimated quantity.

PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCA = 1,1-Dichloroethane; 1,2-DCA = 1,2-Dichloroethane

1,1-DCE = 1,1-Dichloroethene

1. "Total VOCs" is the sum of all positive VOC detections using EPA Methods 8260B and 8260SIM. The individual VOC results are shown for those VOCs with detection frequencies greater than 5 percent. "Total VOCs" for which all results were non-detects are marked "All ND".

2. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.

**Table 2b. Groundwater Analytical Results for Volatile Organic Compounds in OU-2
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																			
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)	
OU-2 Shallow Water Table Zone Wells																								
BHE1-10	10	30	Qal/ UMCf-fg1	Qal	---	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
H-48	33	43	na	Qal	10/26/17	5.5	1.9	1.4	0.69	<0.25	0.70	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88
H-49A	28	48	Qal	Qal	10/26/17	390	1.7	320	15	0.99	23	0.64	<0.25	<0.40	3.2	0.30 J	1.8	4.8	<0.25	<0.25	<0.25	<0.0025	<0.88	
H-49R	17	37	Qal	Qal	10/25/17	90	<0.25	<0.25	<0.25	<0.25	<0.25	86	<0.25	<0.40	1.4 J	0.54	0.68	<0.25	<0.25	<0.25	1.5	0.31	<0.88	
H-56A	28	58	Qal	Qal	10/26/17	7.2	<0.25	0.75	0.45 J	<0.25	0.86	1.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.0025	<0.88	
H-56R	19	49	Qal	Qal	05/11/18	12	<0.25	<0.25	1.2	<0.25	2.1	0.43 J	<0.25	<0.40	0.62 J	<0.25	0.31 J	0.40 J	<0.25	<0.25	<0.25	<0.0025	<0.88	
H-58A	37	57	Qal/ UMCf-fg1	Qal	10/26/17	110	<0.25	31	21	1.5	28	<0.25	<0.25	<0.40	2.2	<0.25	4.0	2.3	<0.25	<0.25	<0.25	0.0058	<0.88	
H-58R	20	40	Qal/ UMCf-fg1	Qal	05/11/18	4.6	<0.25	0.29 J	0.78	<0.25	1.1	0.40 J	<0.25	<0.40	0.84 J	<0.25	0.36 J	0.81	<0.25	<0.25	<0.25	<0.0025	<0.88	
M-44	5	35	Qal/ UMCf-fg1	UMCf-fg1	05/10/18	20	<0.25	<0.25	0.73	<0.25	<0.25	14	<0.25	0.71 J	0.88 J	0.70	0.46 J	<0.25	<0.25	<0.25	2.6	0.29	<0.88	
M-48A	20	40	Qal/ UMCf-fg1	Qal	05/11/18	250	<0.25	0.32 J	0.47 J	0.35 J	<0.25	240	0.32 J	<0.40	0.63 J	1.2	<0.25	<0.25	<0.25	<0.25	1.8	0.070	<0.88	
M-95	12	22	Qal	Qal	---	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MC-61	27	47	Qal/ UMCf-fg1	Qal	10/25/17	25	<0.25	13	1.9	<0.25	2.9	0.47 J	<0.25	<0.40	3.3	<0.25	<0.25	0.41 J	<0.25	<0.25	<0.25	<0.0025	<0.88	
MC-62	25	50	Qal/ UMCf-fg1	Qal	10/25/17	170	0.60	150	3.6	0.35 J	5.5	0.67	<0.25	<0.40	2.8	<0.25	0.81	1.4	<0.25	<0.25	<0.25	<0.0025	<0.88	
MC-63	25	52	Qal	Qal	10/25/17	12	<0.25	0.84	0.67	0.39 J	0.41 J	3.3	<0.25	<0.40	0.91 J	0.40 J	0.79	4.1	<0.25	<0.25	<0.25	0.13	<0.88	
MC-64	---	---	na	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MC-65	20	41	Qal/ UMCf-fg1	Qal	10/26/17	33	<0.25	<0.25	5.4	0.56	7.4	3.1	<0.25	<0.40	2.8	1.4	3.8	7.8	0.48 J	<0.25	<0.25	0.0076	<0.88	
MC-65R	20	40	Qal/ UMCf-fg1	UMCf-fg1	10/25/17	15	<0.25	0.47 J	1.5	<0.25	3.3	0.57	<0.25	<0.40	1.5 J	<0.25	0.88	7.1	<0.25	<0.25	<0.25	0.011	<0.88	
MC-65R2	21	41	Qal/ UMCf-fg1	UMCf-fg1	05/11/18	32	<0.25	0.71	4.5	0.29 J	11	0.72	<0.25	<0.40	1.5 J	1.2	1.6	10	<0.25	<0.25	<0.25	0.014	<0.88	
MC-66	27	47	Qal/ UMCf-fg1	Qal	10/26/17	14	<0.25	<0.25	1.3	0.98	1.6	4.6	<0.25	<0.40	1.1 J	0.71	0.81	2.9	<0.25	<0.25	0.29 J	0.078	<0.88	
MC-67	---	---	na	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW-K4	10	50	Qal/ UMCf-fg1	Qal	05/09/18	17	<0.25	<0.25	<0.25	<0.25	<0.25	16	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.016	1.1 J	
PC-18	12	52	Qal	Qal	05/10/18	20	<0.25	<0.25	2.0	0.95	0.98	2.3	<0.25	<0.40	2.8	0.72	2.6	3.9	<0.25	<0.25	<0.25	0.032	<0.88	
PC-21A	14	34	Qal	Qal	05/11/18	180	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	4.0	68	1.3	<0.25	<0.25	0.82	0.72	0.016	<0.88	
PC-24	15	30	Qal/ UMCf-fg1	Qal	05/10/18	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	<0.50	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	0.85	0.0077	<0.88
PC-28	10	20	Qal/ UMCf-fg1	Qal	05/11/18	41	<0.25	<0.25	<0.25	<0.25	<0.25	39	<0.25	<0.40	<0.50	0.64	0.27 J	<0.25	<0.25	<0.25	<0.25	0.79	0.082	<0.88
PC-31	15	50	Qal	Qal	05/11/18	33	<0.25	0.39 J	6.9	0.51	11	0.64	<0.25	<0.40	<0.50	<0.25	<0.25	1.4	0.32 J	<0.25	<0.25	<0.0025	<0.88	
PC-37	17	42	Qal/ UMCf-fg1	Qal	10/25/17	6.1	<0.25	0.75	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	2.5	0.31 J	0.55	<0.25	<0.25	<0.25	<0.25	0.35	<0.88	
PC-40	15	55	Qal	Qal	10/26/17	280	1.4	200	15	1.3	25	0.76	<0.25	<0.40	4.1	0.70	2.1	5.2	<0.25	<0.25	<0.25	0.0039 J	<0.88	
PC-40R	15	55	Qal	Qal	05/11/18	55	<0.25	0.42 J	9.8	1.2	11	1.3	<0.25	<0.40	3.8 J	1.3	6.1	17	0.98	<0.25	<0.25	0.018 J	<0.88	
PC-50	12	42	Qal/ UMCf-fg1	Qal	05/10/18	25	<0.25	0.33 J	3.2	1.2	2.5	2.0	<0.25	<0.40	2.4	0.73	2.5	3.2	<0.25	<0.25	<0.25	0.022	<0.88	
PC-54	10	35	Qal/ UMCf-fg1	Qal	05/11/18	9.6	<0.25	<0.25	1.4	2.0	1.3	3.1	<0.25	<0.40	<0.50	1.7	<0.25	<0.25	<0.25	<0.25	<0.25	0.11	<0.88	
PC-55	15	55	Qal/ UMCf-fg1	Qal	05/09/18	2.4	<0.25	<0.25	<0.25	0.29 J	<0.25	0.58	<0.25	<0.40	<0.50	<0.25	0.37 J	1.2	<0.25	<0.25	<0.25	<0.0025	<0.88	
PC-64	4	19	Qal	Qal	05/11/18	6.2	<0.25	<0.25	<0.25	1.3	0.52	1.7	<0.25	<0.40	<0.50	1.9	0.61	<0.25	<0.25	<0.25	<0.25	0.13	<0.88	
PC-65	4	19	Qal	Qal	05/11/18	5.9	<0.25	<0.25	<0.25	<0.25	<0.25	3.0	<0.25	<0.40	<0.50	2.8	<0.25	<0.25	<0.25	<0.25	<0.25	0.066	<0.88	
PC-66	7	27	Qal/ UMCf-fg1	Qal	05/11/18	8.3	<0.25	<0.25	0.87	1.5	0.85	1.5	<0.25	<0.40	0.52 J	3.0	<0.25	<0.25	<0.25	<0.25	<0.25	0.11	<0.88	
PC-67	11	36	Qal	Qal	05/11/18	650	<2.5	<2.5	<2.5	<2.5	<2.5	610	<2.5	<4.0	23	21	<2.5	<2.5	<2.5	<2.5	<2.5	0.50	<8.8	
PC-71	13	28	Qal/ UMCf-fg1	Qal	05/11/18	8.0	<0.25	<0.25	<0.25	<0.25	<0.25	5.3	<0.25	<0.40	1.1 J	<0.25	0.47 J	<0.25	<0.25	<0.25	<0.25	0.80	0.33	<0.88
PC-72	15	35	Qal/ UMCf-fg1	Qal	05/11/18	39	<0.25	<0.25	<0.25	<0.25	<0.25	35	<0.25	<0.40	1.4 J	0.95	0.51	<0.25	<0.25	<0.25	1.0	0.33	<0.88	

**Table 2b. Groundwater Analytical Results for Volatile Organic Compounds in OU-2
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																		
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)
PC-73	20	45	Qal/ UMCf-fg1	Qal	10/25/17	14	<0.25	<0.25	1.0	0.87	0.48 J	8.1	<0.25	<0.40	0.99 J	0.91	0.78	<0.25	<0.25	<0.25	0.72	0.23	<0.88
PC-101R	20	50	Qal	Qal	05/09/18	2.3	<0.25	<0.25	<0.25	<0.25	<0.25	0.82	<0.25	<0.40	<0.50	<0.25	<0.25	1.5	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-122	23	38	Qal/ UMCf-fg1	Qal	05/09/18	420	<2.5	<2.5	<2.5	<2.5	<2.5	420	<2.5	<4.0	1.1 J	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.033	<8.8
PC-123	20	35	Qal/ UMCf-fg1	Qal	05/10/18	210	<0.25	<0.25	<0.25	<0.25	<0.25	200	<0.25	<0.40	0.63 J	2.2	0.26 J	<0.25	<0.25	<0.25	3.8	0.088	<0.88
PC-124	20	35	Qal/ UMCf-fg1	Qal	05/10/18	420	<1.3	<1.3	<1.3	<1.3	<1.3	420	<1.3	<2.0	1.1 J	1.5 J	<1.3	<1.3	<1.3	<1.3	1.6 J	0.026	<4.4
PC-125	19	34	Qal/ UMCf-fg1	Qal	05/10/18	340	<1.0	<1.0	<1.0	<1.0	<1.0	340	<1.0	<1.6	1.1 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.020	<0.88
PC-126	20	35	Qal	Qal	05/10/18	550	<0.25	<0.25	<0.25	<0.25	<0.25	540	0.86	<0.40	1.7 J	4.4	0.58	<0.25	<0.25	1.3	5.1	0.048	<0.88
PC-127	15	35	Qal/ UMCf-fg1	Qal	05/10/18	130	<0.25	<0.25	<0.25	<0.25	<0.25	120	<0.25	<0.40	0.64 J	2.9	0.26 J	<0.25	<0.25	<0.25	2.8	0.099	<0.88
PC-128	15	35	Qal/ UMCf-fg1	Qal	05/10/18	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	1.7	0.041	<0.88
PC-129	13	38	Qal	Qal	05/10/18	57	<0.25	<0.25	<0.25	<0.25	<0.25	54	<0.25	<0.40	0.50 J	0.72	0.49 J	0.52	<0.25	<0.25	1.2	0.064	<0.88
PC-130	15	50	Qal/ UMCf-fg1	Qal	05/10/18	24	<0.25	<0.25	<0.25	<0.25	<0.25	20	<0.25	<0.40	0.81 J	0.57	0.92	1.0	<0.25	<0.25	0.86	0.074	<0.88
PC-131	10	40	Qal	Qal	05/10/18	22	<0.25	<0.25	3.9	1.4	4.9	0.85	<0.25	<0.40	1.7 J	<0.25	1.7	1.4	<0.25	<0.25	<0.25	0.0067	<0.88
PC-132	10	40	Qal/ UMCf-fg1	Qal	05/10/18	47	<0.25	7.6	9.8	2.5	13	0.33 J	<0.25	<0.40	<0.50	<0.25	2.0	1.4	<0.25	<0.25	<0.25	0.0037 J	<0.88
PC-135A	31	51	Qal/ UMCf-fg1	Qal	05/09/18	5.8	<0.25	<0.25	<0.25	<0.25	0.25 J	1.5	<0.25	<0.40	<0.50	<0.25	<0.25	2.1	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-136	22	42	Qal/ UMCf-fg1	Qal	05/09/18	98	<0.25	<0.25	<0.25	<0.25	<0.25	97	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.83	0.040	<0.88
PC-142	22	32	Qal	Qal	05/09/18	2.6	<0.25	<0.25	<0.25	<0.25	<0.25	0.75	<0.25	<0.40	<0.50	<0.25	0.29 J	1.6	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-143	30	65	Qal/ UMCf-fg1	Qal	05/09/18	23	<0.25	<0.25	0.35 J	<0.25	0.38 J	19	<0.25	<0.40	<0.50	0.29 J	0.28 J	2.3	0.25 J	<0.25	<0.25	<0.0025	<0.88
PC-144	30	40	Qal/ UMCf-fg1	Qal	05/09/18	38	<0.25	<0.25	<0.25	<0.25	<0.25	37	<0.25	<0.40	<0.50	0.44 J	<0.25	0.37 J	<0.25	<0.25	0.33 J	0.039	<0.88
PC-145	25	45	Qal/ UMCf-fg1	Qal	05/09/18	310	<2.5	<2.5	<2.5	<2.5	<2.5	310	<2.5	<4.0	1.1 J	3.2 J	<2.5	<2.5	<2.5	<2.5	<2.5	0.033	<8.8
PC-148	25	45	Qal/ UMCf-fg1	UMCf-fg1	05/10/18	110	<0.25	<0.25	<0.25	<0.25	<0.25	110	<0.25	<0.40	0.59 J	<0.25	0.48 J	1.2	<0.25	<0.25	<0.25	0.018	<0.88
PC-149	25	45	Qal/ UMCf-fg1	UMCf-fg1	05/09/18	14	<0.25	<0.25	<0.25	<0.25	<0.25	14	<0.25	<0.40	<0.50	<0.25	<0.25	0.25 J	<0.25	<0.25	<0.25	0.0025 J	<0.88
PC-153	10	30	Qal	Qal	09/12/16	30	<0.25	0.52	7.4	1.5 J	10	<0.25	<0.25	<0.40	0.65 J	<0.25	0.95	1.3	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-153R	10	30	Qal	Qal	05/10/18	15	<0.25	<0.25	3.6	0.85	4.6	0.68	<0.25	<0.40	<0.50	<0.25	0.38 J	1.0	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-160	9	24	Qal	Qal	05/10/18	11	<0.25	<0.25	1.8	0.30 J	2.7	0.74	<0.25	<0.40	<0.50	<0.25	0.27 J	1.7	0.27 J	<0.25	<0.25	<0.0025	<0.88
PC-161	9	34	Qal	Qal	10/31/17	15	<0.25	<0.25	3.5	0.25 J	5.1	0.28 J	<0.25	<0.40	<0.50	<0.25	<0.25	0.96	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-162	10	45	Qal/ UMCf-fg1	Qal	10/31/17	44	<0.25	6.2	10	2.0	12	<0.25	<0.25	<0.40	1.4 J	<0.25	2.5	1.8	<0.25	<0.25	<0.25	0.0039 J	<0.88
PC-163	10	25	Qal/ UMCf-fg1	UMCf-fg1	10/31/17	150	<0.25	<0.25	<0.25	<0.25	<0.25	150	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	2.1	0.064	<0.88
PC-164	15	30	Qal	Qal	10/30/17	250	<0.25	<0.25	<0.25	<0.25	<0.25	250	<0.25	<0.40	0.75 J	1.7	0.33 J	<0.25	<0.25	0.36 J	1.4	0.020	<0.88
PC-165	13	38	Qal	Qal	11/01/17	6.1	<0.25	<0.25	1.4	<0.25	1.9	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	0.59	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-166	12	32	Qal	Qal	10/30/17	110	0.28 J	54	16	1.9	23	0.27 J	<0.25	<0.40	1.5 J	<0.25	2.7	3.3	0.53	<0.25	<0.25	0.0066	<0.88
PC-167	15	35	Qal/ UMCf-fg1	nm	10/30/17	15	<0.25	0.29 J	0.41 J	<0.25	0.35 J	11	<0.25	<0.40	0.60 J	1.8	0.36 J	<0.25	<0.25	<0.25	<0.25	0.12	<0.88
PC-168	15	35	Qal	Qal	11/14/18	420	<0.25	<0.25	0.49 J	<0.25	0.44 J	400	<0.25	<0.40	2.4	16	0.81	<0.25	<0.25	1.2	2.3	0.066	<0.88
PC-169	15	30	Qal	Qal	10/30/17	72	<0.25	<0.25	<0.25	<0.25	<0.25	63	<0.25	<0.40	0.95 J	5.2	1.6	<0.25	<0.25	0.87	<0.25	0.013	<0.88
PC-170	15	50	Qal/ UMCf-fg1	Qal	10/24/17	62	0.38 J	25	8.9	0.50	11	0.59	<0.25	<0.40	2.6	<0.25	2.2	1.6	<0.25	<0.25	<0.25	0.0045 J	<0.88
PC-170R	15	50	Qal/ UMCf-fg1	Qal	03/29/18	58	<0.25	15	12	0.80	15	0.26 J	<0.25	<0.40	2.3	<0.25	2.8	1.5	<0.25	<0.25	<0.25	0.0063	<0.88
PC-171	15	30	Qal/ UMCf-fg1	Qal	10/27/17	11	<0.25	0.38 J	<0.25	<0.25	<0.25	9.7	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.94	0.060	<0.88
PC-172	---	---	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PC-172D	30	50	UMCf-fg1	Qal	11/14/18	150	<0.25	<0.25	<0.25	<0.25	<0.25	140	<0.25	<0.40	0.77 J	5.2	0.92	<0.25	<0.25	1.0	0.25 J	0.023	<0.88
PC-173	15	50	Qal	Qal	10/24/17	290	3.6	200	17	1.2	21	1.3	<0.25	<0.40	4.2	0.74	12	22	1.1	<0.25	<0.25	0.014	<0.88

**Table 2b. Groundwater Analytical Results for Volatile Organic Compounds in OU-2
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																		
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	Chloroform (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Carbon Tetra-chloride (µg/L)	1,2,3-Trichloro-propane (µg/L)	Methylene Chloride (µg/L)
PC-174	10	25	Qal	Qal	10/30/17	160	<0.25	<0.25	<0.25	<0.25	<0.25	160	<0.25	<0.40	0.90 J	0.63	<0.25	<0.25	<0.25	<0.25	<0.25	0.066	<0.88
PC-175	14	39	Qal	Qal	11/02/17	550	<0.50	<0.50	<0.50	<0.50	<0.50	530	<0.50	<0.80	1.9 J	13	2.0	<0.50	<0.50	2.7	1.5	0.088	<1.8
PC-186	20	35	Qal	Qal	11/03/17	7.6	<0.25	<0.25	1.5	2.6	0.92	1.8	<0.25	<0.40	<0.50	0.65	<0.25	<0.25	<0.25	<0.25	<0.25	0.12	<0.88
PC-187	45	55	UMCf-fg1	Qal	10/24/17	670	<0.25	<0.25	<0.25	<0.25	<0.25	650	1.9	5.7	0.66 J	<0.25	0.54	<0.25	<0.25	<0.25	9.8	0.13	<0.88
PC-187R	45	55	UMCf-fg1	Qal	03/29/18	380	<1.3	<1.3	<1.3	<1.3	<1.3	360	1.5 J	5.0	0.82 J	<1.3	<1.3	<1.3	<1.3	<1.3	7.5	0.21	<4.4
PC-190	14	34	Qal	Qal	10/30/17	38	<0.25	10	7.4	1.7	9.2	0.67	<0.25	<0.40	1.2 J	<0.25	1.9	1.4	<0.25	<0.25	<0.25	0.0026 J	<0.88
RI Wells West of OU-2 Boundary																							
PC-151	8	28	Qal/ UMCf-fg1	Qal	05/10/18	14	<0.25	<0.25	2.6	0.26 J	4.3	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	1.2	0.43 J	<0.25	<0.25	<0.0025	<0.88
PC-152	10	30	Qal/ UMCf-fg1	Qal	05/10/18	18	<0.25	<0.25	3.9	0.35 J	5.9	0.52	<0.25	<0.40	<0.50	<0.25	<0.25	1.1	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-154	8	23	Qal/ UMCf-fg1	Qal	05/09/18	2.8	<0.25	<0.25	<0.25	<0.25	<0.25	1.4	<0.25	<0.40	<0.50	0.34 J	<0.25	1.1	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-158	7	22	Qal/ UMCf-fg1	Qal	05/10/18	4.4	<0.25	<0.25	<0.25	<0.25	<0.25	0.95	<0.25	<0.40	0.50 J	0.48 J	<0.25	2.5	<0.25	<0.25	<0.25	<0.0025	<0.88
PC-159	10	25	Qal	Qal	05/10/18	2.6	<0.25	<0.25	<0.25	<0.25	<0.25	0.62	<0.25	<0.40	<0.50	<0.25	<0.25	2.0	<0.25	<0.25	<0.25	<0.0025	<0.88
AWF Monitoring Wells																							
ARP-1	14	44	Qal/ UMCf-fg1	Qal	05/10/18	35	<0.25	22	2.6	0.28 J	4.5	0.90	<0.25	<0.40	<0.50	0.28 J	0.32 J	2.6	<0.25	<0.25	<0.25	<0.0025	<0.88
ARP-2A	24	54	Qal/ UMCf-fg1	Qal	05/09/18	4.5	<0.25	<0.25	<0.25	<0.25	<0.25	1.8	<0.25	<0.40	<0.50	<0.25	<0.25	1.6	<0.25	<0.25	<0.25	<0.0025	1.1 J
ARP-3A	21	41	Qal	Qal	05/09/18	21	<0.25	<0.25	3.4	1.0	4.4	0.82	<0.25	<0.40	0.89 J	<0.25	0.58	1.5	<0.25	<0.25	<0.25	0.0031 J	1.3 J
ARP-4A	18	33	Qal/ UMCf-fg1	UMCf-fg1	---	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ARP-5A	13	38	Qal/ UMCf-fg1	Qal	05/09/18	100	<0.25	<0.25	<0.25	<0.25	<0.25	100	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.62	0.025	<0.88
ARP-6B	28	43	Qal/ UMCf-fg1	Qal	05/09/18	340	<1.3	<1.3	<1.3	<1.3	<1.3	330	<1.3	<2.0	1.1 J	2.3 J	<1.3	<1.3	<1.3	<1.3	1.8 J	0.028	6.7 J
ARP-7	14	39	Qal	Qal	05/09/18	310	<0.63	<0.63	<0.63	<0.63	<0.63	310	<0.63	<1.0	1.2 J	1.0 J	<0.63	<0.63	<0.63	0.63 J	1.3	0.025	<2.2

Notes:

µg/L: micrograms per liter (parts per billion)

GW table: Groundwater table

na (1): not applicable; deeper well screened below the water table.

nm: not measured

"---" means the analyte was not tested.

J = Estimated value

UJ = The analyte was not detected, and the detection limit is an estimated quantity.

PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCA = 1,1-Dichloroethane; 1,2-DCA = 1,2-Dichloroethane

1,1-DCE = 1,1-Dichloroethene

- "Total VOCs" is the sum of all positive VOC detections using EPA Methods 8260B and 8260SIM. The individual VOC results are shown for those VOCs with detection frequencies greater than 5 percent. "Total VOCs" for which all results were non-detects are marked "All ND".
- If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.

**Table 2c. Groundwater Analytical Results for Chloroform in Wells Owned by Other Parties
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

Off-Site Monitoring Well ID	Elevation		Well Screen		Sampling Results	
	Ground Surface	Top of Casing	Top (ft bgs)	Bottom (ft bgs)	Date Sampled	Chloroform (µg/L)
TIMET Shallow Water Table Interval Wells						
CLD4-R	1781.50	1782.07	27	47	04/07/17	530
CMT-101	1749.40	1751.42	48	49	04/04/17	310
CMMW-1	1812.85	1812.53	40	55	04/10/17	8.3
CMMW-2	1812.67	1812.46	45	60	04/10/17	5.3
J2D1-R2	1770.70	1773.38	19	44	04/19/18	56
J2D2-R2	1769.70	1772.46	24	49	04/17/18	52
J2D4	1771.30	1774.29	15	45	04/19/18	450
J2U2	1798.50	1798.35	34	69	04/19/18	59
SENTRY-1	1741.10	1744.10	24	44	04/19/18	260
SENTRY-2	1764.48	1767.43	23	43	04/07/15	370
SENTRY-3	1797.58	1800.11	37	52	04/17/18	9.2
TIMETMW-1	1801.70	1802.00	30	60	04/18/18	46
TIMETMW-3R	1840.60	1840.39	41	66	04/18/18	1.3 J
TIMETMW-6R	1813.00	1812.63	40	60	04/17/18	5.7
TIMETMW-7	1744.65	1748.30	30	45	04/19/18	1,400
TIMETMW-8	1752.52	1756.04	28	48	04/19/18	0.24 J
TMMW-102	1880.20	1882.46	47	87	04/18/18	15
TMMW-104	1883.70	1885.78	57	87	04/18/18	34
OSSM Shallow Water Table Interval Wells						
AA-MW-13R	1809.19	1808.74	31	61	04/19/18	<200
AA-MW-14	1808.85	1811.31	33	53	05/09/13	110 J
AA-MW-20	1813.63	1816.23	46	66	05/08/13	7,300
AA-MW-24	1851.03	1853.58	55	75	04/26/13	140 J
AA-MW-25	1801.60	1803.87	44	64	04/18/17	21,000
H-11	1867.10	1862.66	93	103	05/22/18	<2
MC-3	1724.95	1725.84	35	43	05/11/18	<50
MC-6	1711.39	1713.41	19	37	05/11/18	<0.25
MC-7	1717.25	1718.74	30	39	05/11/18	<5.0
MC-9R	1715.57	1717.88	16	46	06/17/14	0.38 J
MC-48	1708.20	1709.90	19	37	04/09/18	<2
MC-49	1708.33	1710.08	21	41	04/09/18	<2
MC-69	1716.96	1718.74	29	44	05/11/18	<0.25
MC-111	1724.09	1726.50	27	37	04/11/18	0.63
MC-113	1705.44	1705.44	22	42	04/09/18	<2
MC-114	1706.98	1706.98	22	42	04/09/18	0.65 J
MC-MW-29	1715.34	1717.55	54	84	04/18/17	2.5
MC-MW-36	1702.66	1702.38	53	63	10/26/17	1.6

**Table 2c. Groundwater Analytical Results for Chloroform in Wells Owned by Other Parties
RI Phase 3 Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada**

Off-Site Monitoring Well ID	Elevation		Well Screen		Sampling Results	
	Ground Surface	Top of Casing	Top (ft bgs)	Bottom (ft bgs)	Date Sampled	Chloroform (µg/L)
MC-MW-37	1704.13	1703.91	53	63	10/26/17	12
MC-MW-37R	1707.61	1707.59	45	65	10/25/17	4.6
MC-MW-37R2	1709.13	1708.80	53	63	03/29/18	3.6
MC-MW-38	1709.46	1709.41	48	58	10/25/17	0.34 J
MW-02	1825.30	1825.26	32	42	04/16/18	93,000
MW-03	1826.01	1826.31	25	35	04/16/18	24,000
MW-04	1826.38	1826.20	29	39	04/16/18	730
PW-1	1825.51	1827.38	50	70	05/07/13	40,000 J+
BMI (CAMU) Shallow Water Table Interval Wells						
AA-BW-03A	1739.48	1741.63	33	53	04/13/18	0.31 J
AA-BW-09A	1761.59	1763.12	33	53	04/14/17	3,900
BRC Shallow Water Table Interval Wells						
AA-01	1755.02	1757.16	29	49	05/11/18	13
AA-09	1694.26	1695.87	30	65	04/24/18	49
AA-20	1625.98	1628.46	10	30	04/24/18	43
D-5	1704.72	1707.54	25	45	08/29/18	290
DBMW-1	1624.13	1626.60	19	49	04/23/18	46
DBMW-3	1623.40	1625.86	19	39	04/24/18	54
DBMW-4	1603.49	1605.83	10	30	05/15/18	90
DM-1	1729.11	1727.21	30	55	04/24/18	2.5 J
POU3	1728.00	1728.51	35	65	08/29/18	340
ES-2*	1736.23	1738.06	35	55	08/29/18	110
ES-3*	1722.66	1724.66	25	45	08/29/18	0.78

Notes:

µg/L: micrograms per liter (parts per billion)

J = Estimated value

J+ = Estimated value with positive bias

* ES-2 and ES-3 are owned by NERT but were sampled by BRC for chloroform.

Table 3. Proposed Soil Gas Sampling in OU-1
Phase 3 RI Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada

Soil Gas Location ID	Status	Notes
RISG-79	Proposed	Co-located with shallow groundwater well M-215; 5 ft bgs and 15 ft bgs.
RISG-80	Proposed	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-81	Proposed	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-82	Proposed	Co-located with shallow groundwater well M-55, just upgradient of the Barrier Wall; 5 ft bgs and 15 ft bgs.
RISG-83	Proposed	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-84	Proposed	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-85	Proposed	Not co-located with shallow groundwater well and downgradient of Lhoist; 5 ft bgs and 15 ft bgs.
RISG-86	Proposed	Co-located with shallow groundwater well M-237 downgradient of Unit Building 2; 5 ft bgs and 15 ft bgs.
RISG-87	Proposed	Not co-located with shallow groundwater well between Unit Buildings 1 and 2; 5 ft bgs and 15 ft bgs.
RISG-88	Proposed	Not co-located with shallow groundwater well between Unit Buildings 2 and 3; 5 ft bgs and 15 ft bgs.
RISG-89	Proposed	Co-located with shallow groundwater well M-193 between Unit Buildings 5 and 6; 5 ft bgs and 15 ft bgs.
RISG-90	Proposed	Not co-located with shallow groundwater well (upgradient of Unit Buildings 3 and 4); 5 ft bgs and 15 ft bgs.

Notes:

ft bgs = feet below ground surface

Table 4. Proposed Soil Gas Sampling in the OU-2 Off-Site Study Area

Phase 3 RI Modification No. 9

Nevada Environmental Response Trust Site; Henderson, Nevada

Soil Gas Location ID	Status	Notes
RISG-52	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-53	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-54	Proposed	Co-located with shallow groundwater well PC-123; 5 ft bgs and 15 ft bgs.
RISG-55	Proposed	Co-located with shallow groundwater well PC-128; 5 ft bgs and 15 ft bgs.
RISG-56	Proposed	Co-located with shallow groundwater well PC-124; 5 ft bgs and 15 ft bgs.
RISG-57	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-58	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-59	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-60	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-61	Proposed	Co-located with shallow groundwater well PC-28; 5 ft bgs and 15 ft bgs.
RISG-62	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-63	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-64	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-65	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-66	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-67	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-68	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-69	Proposed	Co-located with shallow groundwater well PC-66; 5 ft bgs and 15 ft bgs.
RISG-70	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-71	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-72	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-73	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-74	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-75	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-76	Proposed	Co-located with shallow groundwater well PC-187R; 5 ft bgs and 15 ft bgs.
RISG-77	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-78	Proposed	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.

Notes:

ft bgs = feet below ground surface

Table 5. Proposed Soil Gas Resampling for OU-1/OU-2
Phase 3 RI Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada

Soil Gas Location ID	Status	Notes
OU-1		
RISG-10	Resample	Co-located with shallow groundwater well M-126; 5 ft bgs and 15 ft bgs.
RISG-11	Resample	Co-located with shallow groundwater well M-125; 5 ft bgs and 15 ft bgs.
RISG-12	Resample	Co-located with shallow groundwater well M-123; 5 ft bgs and 15 ft bgs.
RISG-13	Resample	Not co-located with shallow groundwater wells; 5 ft bgs and 15 ft bgs.
RISG-14	Resample	Co-located with shallow groundwater well M-191; 5 ft bgs and 15 ft bgs.
RISG-15	Resample	Co-located with shallow groundwater well M-192; 5 ft bgs and 15 ft bgs.
RISG-16	Resample	Sub-slab sample under Unit 4; 5 ft bgs only
RISG-17	Resample	Sub-slab sample under Unit 4; 5 ft bgs only
RISG-18	Resample	Sub-slab sample under Unit 4; 5 ft bgs only
RISG-19	Resample	Sub-slab sample under Unit 4; 5 ft bgs only
RISG-20	Resample	Co-located with shallow groundwater well M-196; 5 ft bgs and 15 ft bgs.
RISG-21	Resample	Co-located with shallow groundwater well M-35; 5 ft bgs and 15 ft bgs.
RISG-22	Resample	Co-located with shallow groundwater well M-2A; 5 ft bgs and 12.4 ft bgs.
RISG-23	Resample	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-24	Resample	Co-located with shallow groundwater well M-72; 5 ft bgs and 15 ft bgs.
RISG-25	Resample	Co-located with shallow groundwater well M-242; 5 ft bgs and 15 ft bgs.
RISG-26	Resample	Co-located with shallow groundwater well M-223; 5 ft bgs and 15 ft bgs.
RISG-31	Resample	Co-located with shallow groundwater well MC-97; 5 ft bgs and 15 ft bgs.
RISG-32	Resample	Not co-located with shallow groundwater well; 5 ft bgs and 15 ft bgs.
RISG-33	Resample	Co-located with shallow groundwater well MC-29; 5 ft bgs and 15 ft bgs.
RISG-34	Resample	Co-located with shallow groundwater well MC-MW-29; 5 ft bgs and 15 ft bgs.

Table 5. Proposed Soil Gas Resampling for OU-1/OU-2
Phase 3 RI Modification No. 9
Nevada Environmental Response Trust Site; Henderson, Nevada

Soil Gas Location ID	Status	Notes
OU-2		
RISG-1	Resample	Co-located with shallow groundwater well PC-67; 5 ft bgs and 15 ft bgs.
RISG-2	Resample	Co-located with shallow groundwater well PC-24; 5 ft bgs and 15 ft bgs.
RISG-3	Resample	Co-located with shallow groundwater well PC-21A; 5 ft bgs and 15 ft bgs.
RISG-4	Resample	Co-located with deep groundwater well PC-172D; 5 ft bgs and 15 ft bgs.
RISG-5	Resample	Co-located with shallow groundwater well PC-169; 5 ft bgs and 15 ft bgs.
RISG-6	Resample	Co-located with shallow groundwater well PC-122; 5 ft bgs and 15 ft bgs.
RISG-7	Resample	Co-located with shallow groundwater well PC-167; 5 ft bgs and 15 ft bgs.
RISG-8	Resample	Co-located with shallow groundwater well PC-179; 5 ft bgs and 15 ft bgs.
RISG-9	Resample	Co-located with shallow groundwater well PC-166; 5 ft bgs and 15 ft bgs.
RISG-27	Resample	Co-located with shallow groundwater well PC-189; 5 ft bgs and 15 ft bgs.
RISG-28	Resample	Co-located with shallow groundwater well PC-186; 5 ft bgs and 15 ft bgs.
RISG-29	Resample	Co-located with shallow groundwater well PC-175; 5 ft bgs and 15 ft bgs.
RISG-30	Resample	Co-located with shallow groundwater well PC-50; 5 ft bgs and 10 ft bgs.

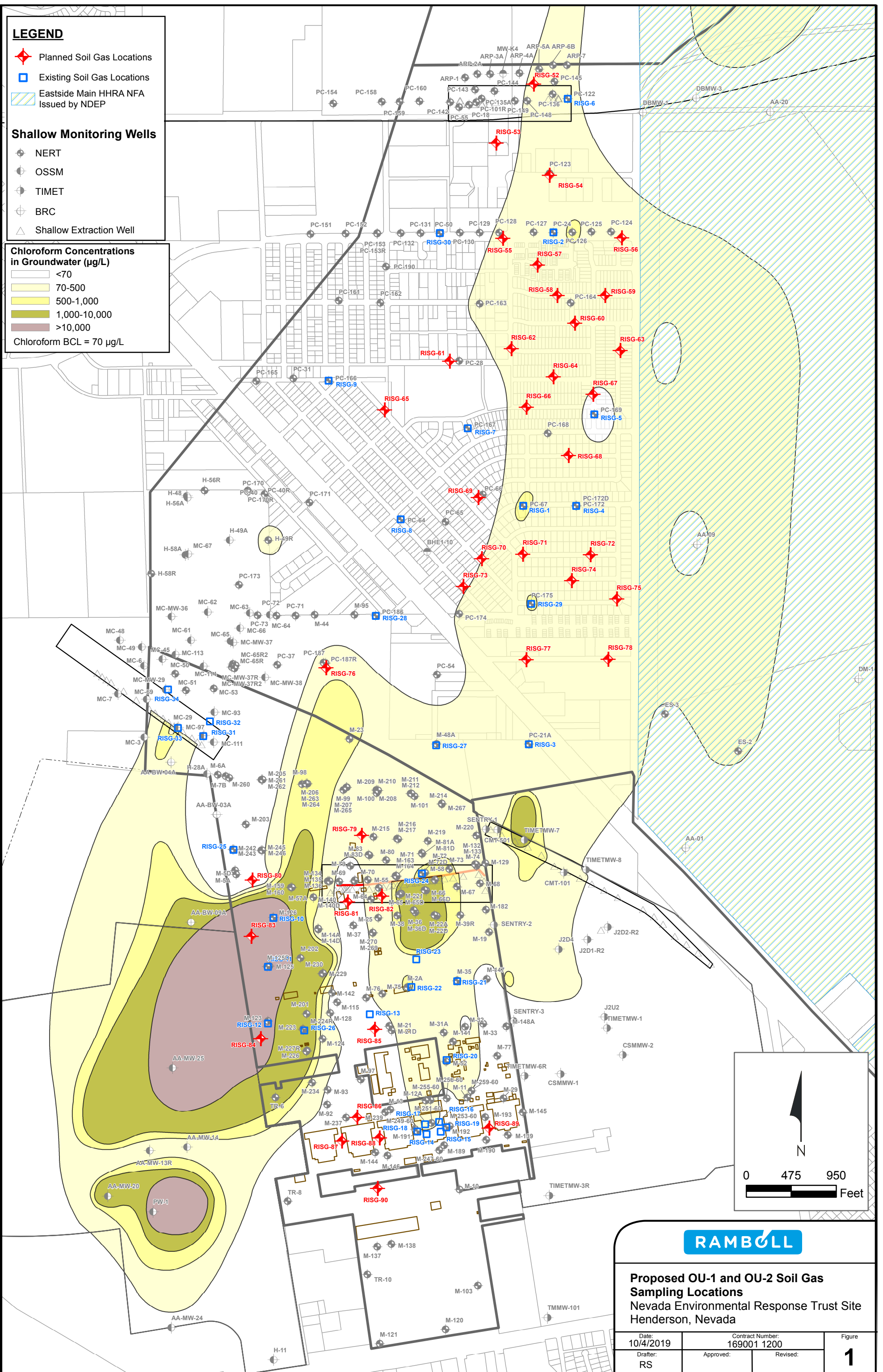
Notes:

ft bgs = feet below ground surface

LEGEND

- ◆ Planned Soil Gas Locations
 - Existing Soil Gas Locations
 - ▨ Eastside Main HHRA NFA Issued by NDEP
- Shallow Monitoring Wells**
- ⊕ NERT
 - ⊕ OSSM
 - ⊕ TIMET
 - ⊕ BRC
 - △ Shallow Extraction Well

- Chloroform Concentrations in Groundwater (µg/L)**
- <70
 - 70-500
 - 500-1,000
 - 1,000-10,000
 - >10,000
- Chloroform BCL = 70 µg/L



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Proposed OU-1 and OU-2 Soil Gas Sampling Locations
Nevada Environmental Response Trust Site
Henderson, Nevada

Date: 10/4/2019	Contract Number: 169001 1200	Figure
Drafter: RS	Approved:	Revised:
		1