

TABLE B-1. Summary of Qualified Soil Gas Field Duplicates
Nevada Environmental Response Trust Site
Henderson, Nevada

Phase B Source Area Investigation Soil Gas Survey DVSR, October 2008

Sample ID	Analyte	Result	Unit	RPD or Difference	Limit	Practical Quantitation Limit	Final Qualifier
SG07B-05	1,2-Dichlorobenzene	< 0.11	µg/m ³	3.6	≤ 0.17	0.17	UJ
SG07B-05D	1,2-Dichlorobenzene	3.7	µg/m ³	3.6	≤ 0.17		J
SG07B-05	Ethylbenzene	0.21	µg/m ³	1.6	≤ 0.85	0.85	J
SG07B-05D	Ethylbenzene	1.8	µg/m ³	1.6	≤ 0.85	0.85	J
SG07B-05	4-Ethyltoluene	0.23	µg/m ³	0.77	≤ 0.85	0.85	J
SG07B-05D	4-Ethyltoluene	1.0	µg/m ³	0.77	≤ 0.85	0.85	J
SG07B-05	n-Heptane	0.11	µg/m ³	0.89	≤ 0.85	0.85	J
SG07B-05D	n-Heptane	1.0	µg/m ³	0.89	≤ 0.85	0.85	J
SG07B-05	2-Hexanone	0.32	µg/m ³	1.4	≤ 0.85	0.85	J
SG07B-05D	2-Hexanone	1.7	µg/m ³	1.4	≤ 0.85	0.85	J
SG07B-05	n-Octane	0.36	µg/m ³	0.94	≤ 0.85	0.85	J
SG07B-05D	n-Octane	1.3	µg/m ³	0.94	≤ 0.85	0.85	J
SG07B-05	n-Propylbenzene	0.16	µg/m ³	0.71	≤ 0.85	0.85	J
SG07B-05D	n-Propylbenzene	0.87	µg/m ³	0.71	≤ 0.85	0.85	J
SG07B-05	1,2,4-Trimethylbenzene	0.8	µg/m ³	2.4	≤ 0.85	0.85	J
SG07B-05D	1,2,4-Trimethylbenzene	3.2	µg/m ³	2.4	≤ 0.85	0.85	J
SG07B-05	1,3,5-Trimethylbenzene	0.24	µg/m ³	1.8	≤ 0.85	0.85	J
SG07B-05D	1,3,5-Trimethylbenzene	2.0	µg/m ³	1.8	≤ 0.85	0.85	J

Phase 1 Remedial Investigation Sampling DVSR, October 2017

Sample ID	Analyte	Result	Unit	RPD or Difference	Limit	Practical Quantitation Limit	Final Qualifier
RISG-3-15-20150306	Ethylbenzene	9.5	µg/m ³	6.0	≤ 2.2	2.2	J
RISG-3-15-20150306-FD	Ethylbenzene	3.5	µg/m ³	6.0	≤ 2.2	2.2	J

Phase 3 Remedial Investigation Sampling DVSR, January 2021

Sample ID	Analyte	Result	Unit	RPD or Difference	Limit	Practical Quantitation Limit	Final Qualifier
RISG-9-5.0-20191112	Toluene	0.87	µg/m ³	0.39	≤ 0.32	0.32	J
RISG-9-5.0-20191112-FD	Toluene	0.48	µg/m ³	0.39	≤ 0.32	0.32	J
RISG-28-5.0-20191113	Toluene	1.0	µg/m ³	0.43	≤ 0.34	0.34	J
RISG-28-5.0-20191113-FD	Toluene	0.57	µg/m ³	0.43	≤ 0.33	0.33	J
RISG-30-10.0-20191113	Acetone	15	µg/m ³	8.2	≤ 4.8	4.8	J
RISG-30-10.0-20191113-FD	Acetone	6.8	µg/m ³	8.2	≤ 4.6	4.6	J
RISG-30-10.0-20191113	Toluene	0.72	µg/m ³	0.32	≤ 0.38	0.38	J
RISG-30-10.0-20191113-FD	Toluene	0.4	µg/m ³	0.32	≤ 0.37	0.37	J
RISG-65-15.0-20191212	Acetone	34	µg/m ³	16	≤ 14	14	J
RISG-65-15.0-20191212-FD	Acetone	18	µg/m ³	16	≤ 13	13	J
RISG-65-15.0-20191212	1,2,4-Trimethylbenzene	4.3	µg/m ³	4.2	≤ 2.9	2.9	J
RISG-65-15.0-20191212-FD	1,2,4-Trimethylbenzene	8.5	µg/m ³	4.2	≤ 2.6	2.6	J

Notes:

µg/m³ = microgram per cubic meter

DVSR = data validation summary report

J = estimated value

RPD = relative percent difference

UJ = non-detect estimated quantitation limit

TABLE B-2. Revisions of Censored Soil Gas Data for Blank Contamination
Nevada Environmental Response Trust Site
Henderson, Nevada

Sample ID	Analyte	Original Result ($\mu\text{g}/\text{m}^3$)	Corrected Result ($\mu\text{g}/\text{m}^3$)	Original Detection Flag	Corrected Detection Flag	Original Qualifier	Corrected Qualifier
SG06B-05	Methylene Chloride	0.77	0.46	N	Y	U	J
SG07B-05	2-Butanone	0.85	4.5	N	Y	U	J
SG07B-05	Acetone	8.5	11	N	Y	U	J
SG07B-05	Ethanol	8.5	5.1	N	Y	U	J
SG07B-05	Vinyl acetate	8.5	3.2	N	Y	U	J
SG08B-05	Acetone	7.5	12	N	Y	U	J
SG08B-05	Vinyl acetate	7.5	2.7	N	Y	U	J
SG10B-05	Acetone	7.8	24	N	Y	U	J
SG10B-05	Vinyl acetate	7.8	2.6	N	Y	U	J
SG11B-05	Carbon disulfide	0.74	1.4	N	Y	U	J
SG12B-05	Acetone	7.7	15	N	Y	U	J
SG12B-05	Carbon disulfide	0.77	1.1	N	Y	U	J
SG12B-05	Vinyl acetate	7.7	1.3	N	Y	U	J
SG13B-05	Acetone	32	47	N	Y	U	J
SG13B-05	Methylene Chloride	3.2	0.57	N	Y	U	J
SG13B-05	Vinyl acetate	32	4.5	N	Y	U	J
SG14B-05	Methylene Chloride	0.82	0.97	N	Y	U	J
SG15B-05	Methylene Chloride	1.6	0.42	N	Y	U	J

Notes:

$\mu\text{g}/\text{m}^3$ = microgram per cubic meter

J = estimated value

N = not detected (detection flag)

U = not detected (qualifier)

Y = detected (detection flag)

TABLE B-3. Summary of J Qualified Soil Gas Data
Nevada Environmental Response Trust Site
Henderson, Nevada

Analyte	Maximum Concentration of Qualified Data	Qualifier	Maximum Detected Concentration in Soil Gas BHRA Data Set	RBTC	Unit
Acetone	120	J+	210	49,700,000	µg/m ³
Acrylonitrile	0.86	J	0.86	62	µg/m ³
Benzene	8.0	J	75	9.97E+17	µg/m ³
Benzyl chloride	10	J	10	142	µg/m ³
Bromodichloromethane	12	J	760	209	µg/m ³
Bromoform	4.5	J	4.5	10,500	µg/m ³
Bromomethane	0.091	J	0.091	8,830	µg/m ³
2-Butanone	51	J	51	9,190,000	µg/m ³
n-Butylbenzene	1.1	J+	1.1	1,220,000	µg/m ³
sec-Butylbenzene	0.23	J	0.23	1,220,000	µg/m ³
Carbon disulfide	23	J	170	1,180,000	µg/m ³
Carbon tetrachloride	210	J	640	1,280	µg/m ³
Chlorobenzene	5.5	J	8.2	116,000	µg/m ³
Chloroethane	1.3	J	160	17,200,000	µg/m ³
Chloromethane	1.0	J	1.6	135,000	µg/m ³
Cumene	0.56	J	0.56	1,080,000	µg/m ³
Cyclohexane	9.8	J	9.8	12,800,000	µg/m ³
p-Cymene	1.8	J	12	899,000	µg/m ³
Dibromochloromethane	6.1	J	210	NA	µg/m ³
1,2-Dibromoethane	0.35	J	0.35	16	µg/m ³
1,2-Dichlorobenzene	7.3	J	7.3	576,000	µg/m ³
1,3-Dichlorobenzene	18	J	36	482,000	µg/m ³
1,4-Dichlorobenzene	6.7	J	19	718	µg/m ³
Dichlorodifluoromethane	6.6	J	9.2	222,000	µg/m ³
1,1-Dichloroethane	22	J	120	3,450	µg/m ³
1,2-Dichloroethane	2.1	J	4.4	208	µg/m ³
1,1-Dichloroethene	150	J	170	400,000	µg/m ³
cis-1,2-Dichloroethene	1.8	J	11	2.85E+11	µg/m ³
trans-1,2-Dichloroethene	1.1	J	1.1	6.75E+11	µg/m ³
1,2-Dichloropropane	1.6	J	1.6	616	µg/m ³
1,4-Dioxane	0.79	J	0.79	724	µg/m ³
Ethanol	50	J	160	119,000,000	µg/m ³
Ethylbenzene	9.5	J	74	2,620	µg/m ³
4-Ethyltoluene	6.9	J	54	899,000	µg/m ³
1,1,2-Trichloro-1,2,2-trifluoroethane	2.1	J	2.1	124,000,000	µg/m ³
Freon 114	0.10	J	0.10	124,000,000	µg/m ³
n-Heptane	7.3	J	57	18,600,000	µg/m ³
Hexachlorobutadiene	80	J	80	694	µg/m ³
n-Hexane	9.7	J	55	1,610,000	µg/m ³
2-Hexanone	3.0	J	4.0	69,300	µg/m ³
Methylene Chloride	23	J	28	477,000	µg/m ³
alpha-Methylstyrene	0.52	J	7.7	2,610,000	µg/m ³

**TABLE B-3. Summary of J Qualified Soil Gas Data
Nevada Environmental Response Trust Site
Henderson, Nevada**

Analyte	Maximum Concentration of Qualified Data	Qualifier	Maximum Detected Concentration in Soil Gas BHRA Data Set	RBTC	Unit
Naphthalene	3.8	J	150	212	µg/m ³
n-Octane	1.9	J	93	53,200	µg/m ³
4-Methyl-2-pentanone	5.8	J	33	7,040,000	µg/m ³
n-Propylbenzene	0.87	J	1.1	2,720,000	µg/m ³
Styrene	6.1	J	6.1	2,350,000	µg/m ³
tert Butyl alcohol	3.2	J	3.2	49,900,000	µg/m ³
tert-Butylbenzene	0.14	J	0.14	1,220,000	µg/m ³
1,1,1,2-Tetrachloroethane	0.084	J	0.084	1,200	µg/m ³
1,1,2,2-Tetrachloroethane	5.6	J	5.6	150	µg/m ³
Tetrachloroethene	12	J	11,000	32,800	µg/m ³
Tetrahydrofuran	6.6	J	7.6	3,470,000	µg/m ³
Toluene	15	J	220	10,900,000	µg/m ³
1,2,4-Trichlorobenzene	3.7	J	3.7	7,860	µg/m ³
1,1,1-Trichloroethane	0.11	J	0.11	12,700,000	µg/m ³
1,1,2-Trichloroethane	0.62	J	0.62	416	µg/m ³
Trichloroethene	76	J	240	1,590	µg/m ³
Trichlorofluoromethane	15	J	15	1.25E+13	µg/m ³
1,2,4-Trimethylbenzene	8.8	J	240	162,000	µg/m ³
1,3,5-Trimethylbenzene	5.9	J	81	163,000	µg/m ³
Vinyl acetate	6.9	J	19	404,000	µg/m ³
Vinyl chloride	1.6	J	1.6	1,030	µg/m ³
Xylenes (total)	46	J	450	243,000	µg/m ³

Notes:µg/m³ = microgram per cubic meter

J = estimated value

J+ = estimated value, biased high

NA = not available

RBTC = risk-based target concentration