

LABORATORY DATA SUMMARY												
Sample ID	NV5A-POR	NV5A-WEST	NV5A-East (2')	NV5A-MID (2')	NV5A-Cont W (2')	NV5A-Cont E (2')	NV5A-West 2 (1')	NV5A-Cont E (2.5')	NV5A-E Wall Mid (2')	NV5A-BOT S (2')	NV5A-W Wall S (2')	NV5A-Wwall
Sample Depth	0-6"	0-6"	2'	2'	2'	2'	1'	2.5'	2'	2'	2'	3'
Longitude N	39.266167	39.266159	39.265902	39.266137	39.266232	39.266238	39.266274	39.266238	39.266075	39.266091	39.266052	39.26614
Latitude W	-107.726372	107.726465	-107.726227	107.726355	-107.726374	-107.72629	-107.726484	-107.72629	-107.726256	-107.726336	-107.726396	-107.726500
Sample Type	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil
Sample Date	12/29/2020	12/29/2020	02/15/2021	02/15/2021	02/15/2021	02/15/2021	02/15/2021	03/03/2021	03/03/2021	03/03/2021	03/03/2021	03/31/2021
Sample Description	Point of release outside of containment	Mid point surface sample	Clearance sample (East)	Clearance sample (Mid)	Clearance Sample (West)	Clearance sample (containment East)	Clearance sample (West)	Clearance sample (containment East)	Clearance sample (East wall Mid)	Clearance sample (bottom south)	Clearance sample (West wall south)	Clearance (West wall)
Analytical Parameters												
TPH												
TPH Gasoline Range Organics	25700	717	0.352	0.457	0.239	0.488	ND	ND	0.101	0.470	0.125	NA
TPH Diesel Range Organics	1480	84.9	ND	ND	ND	ND	ND	ND	15.1	6.92	ND	NA
BTEX												
Benzene	21.3	1.71	0.00101	0.00157	0.000812	0.000962	0.00117	ND	0.00115	0.00158	0.00164	NA
Toluene	650	13.1	0.00958	0.00969	ND	0.00543	ND	ND	ND	ND	ND	NA
Ethylbenzene	153	2.82	0.00260	0.00230	ND	0.00200	0.000516	ND	ND	0.00102	0.000654	NA
Total Xylene	2670	48.7	0.0494	0.0415	0.00654	0.0267	0.00162	ND	0.00469	0.0614	0.00792	NA
Metals												
Arsenic	ND	ND	ND	ND	ND	2.06	2.03	ND	ND	ND	ND	NA
Barium	248	343	128	106	111	165	120	142	81.8	163	101	NA
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Chromium	14.9	11.3	19.2	21.4	18.5	21.9	21.5	23.3	13.3	15.2	18.1	NA
Copper	15.5	12.2	23.9	24.3	18.9	22.6	23.3	24.4	16.4	18.1	22.9	NA
Lead	7.39	4.92	11.7	12.1	10.6	12.1	11.6	12.50	6.73	10.5	10.7	NA
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Nickel	25.0	31.3	17.0	17.4	15.3	17.5	20.2	22.0	14.7	18.2	18.3	NA
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Zinc	45.0	29.3	56.6	61.7	53.5	62.2	61.5	77.5	45.2	54.7	58.5	NA
SAR Metals Analysis												
Sodium Adsorption Ratio	40.0	24.4	0.676	3.19	8.84	2.27	5.04	3.16	2.19	1.53	2.95	NA
Polynuclear Aromatic Hyrdrocarbons												
Acenaphthene	0.0473	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Fluorene	0.107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Napthalene	3.41	0.110	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
General Chemistry												
Chromium, Hexavalent	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Chromium, Trivalent	14.9	11.3	19.2	21.4	18.5	21.9	21.5	23.3	13.3	15.2	18.1	NA
Specific Conductivity	3.940	3.300	0.20	0.342	0.768	0.451	0.443	0.388	0.200	0.236	0.291	0.579
pH	8.14 T8	8.36 T8	8.38	8.95	8.97	9.15	8.80	8.80 T8	8.79 T8	8.71 T8	9.07 T8	8.94 T8

mg/kg - milligrams per kilogram  
mg/L - milligrams per liter  
mmhos/cm - millimhos per centimeter  
mv - millivolts  
su - standard units  
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.  
T8 Sample(s) received past/too close to holding time expiratio NA - not applicable.  
NT - parameter was not teste  
ND - not detected above method detection limit

Over COGCC Table 910-1 concentration levels but under BACKGROUND leve  
Over COGCC Table 910-1 concentration levels and not within BACKGROUND leve  
Over COGCC Table 910-1 concentration levels

Table 1  
North Vega Pad 5 Spill Soil Sample Summary

NV5A-SWWall	NV5A-WBOT	NV5A-SE Wall (18")	NV5A-SE BOT	NV5A-NSEWALL	NV5A-SEWALL	NV5A-S Wall (18")	NV5A-SW Wall (18")	NV5A-N BOT-14'	NV5A-WT Wall (10')	NV5A-NW Wall (18")	NV5A-ET Wall (10')	NV5A-S BOT (24")	NV5A - SBG
3'	3.5'	18"	3.5'	3'	3'	18"	18"	14'	10'	18"	10'	24"	0-6"
39.26602	39.26606	39.266	39.26598	39.26602	39.26597	39.2659	39.2659	39.266331	39.26621	39.2661	39.26623	39.2659	39.26541
-107.726390	-107.726440	-107.726100	-107.726260	-107.726270	-107.726240	-107.7260	-107.726180	-107.726390	-107.726370	-107.726500	-107.726310	-107.726120	-107.726390
Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil
03/31/2021	03/31/2021	03/09/2021	03/31/2021	03/31/2021	03/31/2021	03/09/2021	03/09/2021	03/09/2021	03/09/2021	03/09/2021	03/09/2021	03/09/2021	03/10/2021
Clearance (South west Wall)	Clearance (west Bot)	Clearance sample (south east wall)	Clearance (south east bottom)	Clearance (south east wall / north)	Clearance (soth east wall)	Clearance sample (south wall)	Clearance sample (south west wall)	Clearance sample (north bottom)	Clearance sample (West Trenchwall)	Clearance sample (north west wall)	Clearance sample (East trench wall)	Clearance sample (south bottom)	Background sample South
NA	NA	5.930	NA	NA	NA	0.146	0.215	3.38	4.76	ND	3.70	0.284	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	28.7	5.12	NT
NA	NA	0.00351	NA	NA	NA	0.000978	0.000591	0.00253	0.00261	0.00206	0.00150	0.000896	NT
NA	NA	0.1	NA	NA	NA	ND	ND	0.105	0.114	ND	0.0156	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	0.0241	0.0280	0.000543	0.0112	ND	NT
NA	NA	0.14500	NA	NA	NA	0.00254	0.00350	1.85	3.59	0.00171	0.239	0.00806	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	U
NA	NA	109	NA	NA	NA	122	85.3	98.1	125	135	120	68.5	NT
NA	NA	0.591	NA	NA	NA	0.602	ND	0.712	0.723	0.617	0.662	ND	NT
NA	NA	21.6	NA	NA	NA	21.6	14.6	24.2	22.5	20.7	21.9	10.3	NT
NA	NA	22.3	NA	NA	NA	21.5	17.2	22.6	22.2	21.8	21.6	9.34	NT
NA	NA	10.9	NA	NA	NA	11.2	14.4	12.5	11.9	12.1	11.9	6.58	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	19.0	NA	NA	NA	19.0	13.2	21.2	19.7	21.3	19.8	9.01 O1	NT
NA	NA	ND	NA	NA	NA	2.26	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	58.8	NA	NA	NA	58.7	43.7	77.3	67.1	58.9	67.3	29.4	NT
NA	NA	6.90	NA	NA	NA	1.36	5.50	8.45	5.44	8.54	5.90	1.95	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NT
NA	NA	21.6	NA	NA	NA	21.6	14.6	24.2	22.5	20.7	21.9	10.3	NT
2.480	0.644	4.310	0.282	0.429	0.304	0.443	0.524	0.732	0.274	0.699	1.770	0.295	NT
8.23 T8	8.76 T8	8.37 T8	7.4 T8	7.86 T8	8.40 T8	8.47 T8	8.41 T8	8.49 T8	8.85 T8	8.83 T8	8.07 T8	8.52 T8	NT

NV5A - WBG	NV5A-ST Wall (10')	NV5A - NEWall	NV5A - NTBot	NV5A - NTEWall	NV5A - NTWWall	NV5A - Nwall	NV5A-BG1	NV5A-BG2	NV5A-BG3	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
0-6"	10'	18"	14'	10'	10'	10'	0-6"	0-6"	0-6"		
39.26632	39.26618	39.2662	39.26631	39.26631	39.2663	39.26633	39.266155	39.265211	39.263645		
-107.727490	-107.726360	-107.726200	-107.726390	-107.726380	-107.726410	-107.726410	-107.725566	-107.72753	-107.726862		
Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil	Grab - Soil		
03/10/2021	03/09/2021	03/10/2021	03/10/2021	03/10/2021	03/10/2021	03/10/2021	12/29/2020	12/29/2020	12/29/2020		
Background sample West	Clearance sample (south trench Wall)	Clearance sample (north east wall)	Clearance sample (north trench bottom)	Clearance sample (nort trench east wall)	Clearance sample (north trench west wall)	Clearance sample (north wall)	Background 1	Background 2	Background 3		
NT	0.112	ND	1.060	ND	1.600	0.228	NT	NT	NT	500	mg/kg
NT	ND	17	ND	ND	ND	ND	NT	NT	NT		
NT	ND	0.001590	0.00884	ND	0.00130	ND	NT	NT	NT	0.17	mg/kg
NT	ND	ND	0.1	ND	ND	ND	NT	NT	NT	85	mg/kg
NT	ND	ND	0.008250	ND	0.001410	ND	NT	NT	NT	100	mg/kg
NT	0.00940	0.00172	0.19400	ND	0.14100	0.00470	NT	NT	NT	175	mg/kg
0.43	ND	ND	ND	ND	ND	ND	ND	2.61	ND	0.39	mg/kg
NT	95.1	245.0	131.0	144.0	116.0	115.0	NT	NT	NT	15,000	mg/kg
NT	0.672	ND	ND	ND	ND	ND	NT	NT	NT	70	mg/kg
NT	23.0	17.5	23.6	21.2	22.9	23.5	NT	NT	NT	NA	mg/kg
NT	21.7	23.90	24.5	22.90	24.4	25.80	NT	NT	NT	3,100	mg/kg
NT	12.4	14.70	12.9	12.10	13.1	13.30	NT	NT	NT	400	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
NT	21.4	31.10	19.6	18.20	20.0	20.20	NT	NT	NT	1,600	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	390	mg/kg
NT	74.9	52.1	87.4	68.30	70.2	76.1	NT	NT	NT	23,000	mg/kg
NT	6.19	2.11	1.86	4.25	3.43	9.81	NT	NT	NT	<12	ratio
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	2.2	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	22	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.022	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.22	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	23	mg/kg
NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	1,000	mg/kg
NT	ND	ND	ND	ND	3.72	ND	NT	NT	NT	23	mg/kg
NT	23.0	17.5	23.6	21.20	19.2	23.5	NT	NT	NT	120,000	mg/kg
NT	0.528	0.344	0.286	0.525	0.323	0.885	NT	NT	NT	<4 or 2 x the background	mmhos/cm
NT	8.68 T8	8.64 T8	8.77 T8	8.50 T8	8.80 T8	8.73 T8	NT	NT	NT	6-9	su