

APPENDIX E

ANALYTICAL RESULTS, LABORATORY ANALYTICAL REPORTS, AND CHAIN OF CUSTODY FORMS

PART 1 ANALYTICAL RESULTS

(Note—To be provided on disc only)

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Table E-1: Analytical Results for Surface Soil at CC RVAAP-70 East Classification Yard

Location ID:	70-4744-DU1-SS	70-DD-DU2-SS	70-4740-DU3-SS	70-4760-DU5-SS	70-4759-DU6-SS	70-CDD-DU7-SS	70-4740-SB107	70-4740-SS108					
Field Sample ID:	070SS-0001M-0001-SO	070SS-0002M-0001-SO	070SS-0002M-0002-SO	070SS-0003M-0001-SO	070SS-0004M-0001-SO	070SS-0005M-0001-SO	070SS-0006M-0001-SO	070SS-0007M-0001-SO	070SS-0006M-0003-SO	070SS-0007M-0002-SO	070SS-107-0075-SO	070SS-107-9075-SO	070SS-108-0081-SO
Lab Sample ID:	240-17230-1	240-17230-2	240-17317-13	240-17230-3	240-17230-4	240-17230-5	240-17230-6	240-17230-7	240-17317-11	240-17317-12	160-26639-4	160-26639-10	160-26663-5
Sample Date:	11/5/2012	11/5/2012	11/7/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012	11/7/2012	11/7/2012	2/5/2018	2/5/2018	2/6/2018
Sample Depth:	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-0.5
Sample Type:	REG	REG	REG	REG	REG	REG	FD	REG	FD	REG	FD	REG	REG
TAL Metals (mg/kg)													
Aluminum	7429-90-5	-	-	-	9,000	-	-	15,000 J	14,000	-	-	-	-
Antimony	7440-36-0	-	-	-	0.41	-	-	2.1 J -	1.5	-	-	-	-
Arsenic	7440-38-2	-	-	-	11	-	-	29	27	-	-	-	-
Barium	7440-39-3	-	-	-	93	-	-	110	94	-	-	-	-
Beryllium	7440-41-7	-	-	-	0.91	-	-	1.1	1	-	-	-	-
Cadmium	7440-43-9	-	-	-	0.26	-	-	0.47 J	0.44	-	-	-	-
Calcium	7440-70-2	-	-	-	33,000	-	-	9,400 J	6,300	-	-	-	-
Chromium	7440-47-3	-	-	-	26	-	-	83 J -	30 J	-	-	-	-
Cobalt	7440-48-4	-	-	-	7.4	-	-	14	12	-	-	-	-
Copper	7440-50-8	-	-	-	21	-	-	43 J -	31	-	-	-	-
Iron	7439-89-6	-	-	-	19,000	-	-	37,000 J	31,000	-	-	-	-
Lead	7439-92-1	-	-	-	45	-	-	270 J	59 J	-	-	-	-
Magnesium	7439-95-4	-	-	-	4,300	-	-	4,200	3,400	-	-	-	-
Manganese	7439-96-5	-	-	-	960	-	-	780 J	610	-	-	-	-
Mercury	7439-97-6	-	-	-	0.039 U	-	-	0.14 U	0.051 U	-	-	-	-
Nickel	7440-02-0	-	-	-	29	-	-	49 J	38	-	-	-	-
Potassium	7440-09-7	-	-	-	740	-	-	1,400 J+	1,400	-	-	-	-
Selenium	7782-49-2	-	-	-	0.65	-	-	1.4 J-	1.7	-	-	-	-
Silver	7440-22-4	-	-	-	0.035 J	-	-	0.054 J	0.052 J	-	-	-	-
Sodium	7440-23-5	-	-	-	130	-	-	150 U	69 J	-	-	-	-
Thallium	7440-28-0	-	-	-	0.17 J	-	-	0.35	0.27	-	-	-	-
Vanadium	7440-62-2	-	-	-	12	-	-	23 J+	23	-	-	-	-
Zinc	7440-66-6	-	-	-	76	-	-	160	150	-	-	-	-
Explosives / Propellants (mg/kg)													
1,3,5-Trinitrobenzene	99-35-4	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
1,3-Dinitrobenzene	99-65-0	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
2,4,6-Trinitrotoluene	118-96-7	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
2,4-Dinitrotoluene	121-14-2	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
2,6-Dinitrotoluene	606-20-2	-	-	-	-	-	0.05 J	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
2-Amino-4,6-dinitrotoluene	35572-78-2	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
2-Nitrotoluene	88-72-2	-	-	-	-	-	0.05 UJ	0.078 UJ	0.07 UJ	-	0.016 UJ	0.016 UJ	0.015 U
3-Nitrotoluene	99-08-1	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
4-Amino-2,6-dinitrotoluene	19406-51-0	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.024 UJ	0.024 UJ	0.023 U
4-Nitrotoluene	99-99-0	-	-	-	-	-	0.05 UJ	0.078 U	0.07 UJ	-	0.024 UJ	0.024 UJ	0.023 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	-	-	-	-	-	0.05 U	0.078 UJ	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
Nitrobenzene	98-95-3	-	-	-	-	-	0.05 UJ	0.078 R	0.07 UJ	-	0.016 UJ	0.016 UJ	0.015 U
Nitrocellulose	9004-70-0	-	-	-	-	-	-	1.6 J	1.3 J	-	-	-	-
Nitroglycerin	55-63-0	-	-	-	-	-	0.25 U	0.39 UJ	0.35 U	-	0.074 UJ	0.074 UJ	0.072 U
Nitroguanidine	556-88-7	-	-	-	-	-	0.061 U	0.055 U	-	-	-	-	-
tetrazocine (HMX)	2691-41-0	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
Pentaerythritol tetranitrate (PETN)	78-11-5	-	-	-	-	-	0.25 U	0.39 U	0.35 U	-	0.074 UJ	0.074 UJ	0.072 U
Tetryl	479-45-8	-	-	-	-	-	0.05 U	0.078 U	0.07 U	-	0.016 UJ	0.016 UJ	0.015 U
Total Petroleum Hydrocarbons (mg/kg)													
TPH (C6-C12)	68439-45-2	0.028 U	0.095 U	0.065 U	-	-	-	-	-	0.046 U	0.06 U	-	-
TPH (C10-C20)	68476-34-6	57 J	120 J	-	-	-	-	36	42	-	-	-	-
TPH (C20-C34)	100664-65-1	540 M	750 M	-	-	-	-	170 M	210 M	-	-	-	-
Organochlorine Pesticides (mg/kg)													
2,4 DB	94-82-6	-	-	-	-	0.033 U	-	0.052 U	0.046 U	-	-	-	-
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	-	-	-	-	0.01 J	-	0.013 U	0.012 U	-	-	-	-
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	-	-	-	-	0.033 U	-	0.052 U	0.046 U	-	-	-	-
4,4'-DDD	72-54-8	-	-	-	-	-	-	0.01 UJ	-	-	-	-	-
4,4'-DDE													

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Lab Sample ID:	240-17230-1	240-17230-2	240-17317-13	240-17230-3	240-17230-4	240-17230-5	240-17230-6	240-17230-7	240-17317-11	240-17317-12	160-26639-4	160-26639-10	160-26663-5
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Sample Depth:	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-0.5
Sample Type:	REG	FD	REG	FD	REG	FD	REG						
Endrin ketone	53494-70-5	-	-	-	-	-	0.01 UJ	-	-	-	-	-	-
gamma-BHC (Lindane)	98-00-0	-	-	-	-	-	0.02 UJ	-	-	-	-	-	-
gamma-Chlordane	5566-34-7	-	-	-	-	-	0.01 UJ	-	-	-	-	-	-
Heptachlor	76-44-8	-	-	-	-	-	0.02 UJ	-	-	-	-	-	-
Heptachlor epoxide	1024-57-3	-	-	-	-	-	0.02 U	-	-	-	-	-	-
MCPA	94-74-6	-	-	-	-	3.3 U	-	5.2 UJ	4.6 U	-	-	-	-
MCPP	93-65-2	-	-	-	-	3.3 U	-	5.2 UJ	4.6 U	-	-	-	-
Methoxychlor	72-43-5	-	-	-	-	-	0.052 UJ	-	-	-	-	-	-
Pentachlorophenol	87-86-5	-	-	-	-	0.0082 UJ	-	0.013 U	0.012 UJ	-	-	-	-
Silvex (2,4,5-TP)	93-72-1	-	-	-	-	0.0082 U	-	0.013 U	0.012 U	-	-	-	-
Toxaphene	8001-35-2	-	-	-	-	-	0.31 UJ	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs) (mg/kg)													
Aroclor-1016	12674-11-2	-	-	-	0.025 U	-	0.025 U	0.19 U	0.035 U	-	-	0.019 U	0.018 U
Aroclor-1221	11104-28-2	-	-	-	0.025 U	-	0.025 U	0.19 U	0.035 U	-	-	0.019 U	0.018 U
Aroclor-1232	11141-16-5	-	-	-	0.025 U	-	0.025 U	0.19 U	0.035 U	-	-	0.019 U	0.018 U
Aroclor-1242	53469-21-9	-	-	-	0.025 U	-	0.025 U	0.59 J	0.035 U	-	-	0.019 U	0.018 U
Aroclor-1248	12672-29-6	-	-	-	0.025 U	-	0.025 U	0.19 U	0.17	-	-	0.019 U	0.018 U
Aroclor-1254	11097-69-1	-	-	-	0.047 J	-	0.025 U	0.19 U	0.035 U	-	-	0.019 U	0.018 U
Aroclor-1260	11096-82-5	-	-	-	0.025 U	-	0.07 J	0.19 U	0.061 J	-	-	0.012 U	0.011 U
Semivolatile Organic Compounds (mg/kg)													
1,2,4-Trichlorobenzene	120-82-1	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
1,2-Dichlorobenzene	95-50-1	0.15 U	0.22 U	-	0.27 U	0.14 U	0.081 J	0.2 U	0.18 U	-	-	2.3 U	0.11 U
1,3-Dichlorobenzene	541-73-1	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
1,4-Dichlorobenzene	106-46-7	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
2,4,5-Trichlorophenol	95-95-4	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
2,4,6-Trichlorophenol	88-06-2	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 U	0.56 U	-	-	2.3 U	0.11 U
2,4-Dichlorophenol	120-83-2	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
2,4-Dimethylphenol	105-67-9	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 U	0.56 U	-	-	2.3 UJ	0.11 UJ
2,4-Dinitrophenol	51-28-5	0.46 UJ	0.65 UJ	-	0.81 UJ	0.41 U	0.32 UJ	0.61 UJ	0.56 U	-	-	16 U	0.75 U
2,4-Dinitrotoluene	121-14-2	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 R	0.18 U	-	-	2.3 U	0.11 U
2,6-Dinitrotoluene	606-20-2	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 R	0.18 U	-	-	2.3 U	0.11 U
2-Chloronaphthalene	91-58-7	0.018 U	0.027 U	-	0.033 U	0.017 U	0.013 U	0.025 U	0.023 U	-	-	2.3 U	0.11 U
2-Chlorophenol	95-57-8	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
2-Methyl-4,6-dinitrophenol	534-52-1	0.46 UJ	0.65 UJ	-	0.81 UJ	0.41 U	0.32 UJ	0.61 UJ	0.56 U	-	-	16 U	0.75 U
2-Methylnaphthalene	91-57-6	0.018 U	0.042 J	-	0.54	0.42	0.69	0.44	0.37	-	-	2.3 U	0.11 U
2-Methylphenol (o-Cresol)	95-48-7	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 U	0.56 U	-	-	2.3 U	0.11 U
2-Nitroaniline	88-74-4	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
2-Nitrophenol	88-75-5	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
3,3'-Dichlorobenzidine	91-94-1	0.46 UJ	0.65 UJ	-	0.81 UJ	0.41 UJ	0.32 UJ	0.61 R	0.56 U	-	-	16 U	0.75 U
3-Nitroaniline	99-09-2	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 UJ	0.56 U	-	-	2.3 U	0.11 U
4-Bromophenyl phenyl ether	101-55-3	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
4-Chloro-3-methylphenol	59-50-7	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
4-Chloroaniline	106-47-8	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 R	0.18 U	-	-	2.3 U	0.11 U
4-Chlorophenyl phenyl ether	7005-72-3	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U
4-Nitroaniline	100-01-6	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 UJ	0.18 U	-	-	16 U	0.75 U
4-Nitrophenol	100-02-7	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 U	0.56 U	-	-	16 U	0.75 U
Acenaphthene	83-32-9	0.018 U	0.027 U</td										

Table E-1: Analytical Results for Surface Soil at CC RVAAP-70 East Classification Yard

Location ID:	70-4744-DU1-SS	70-DD-DU2-SS	70-4740-DU3-SS	70-4760-DU5-SS	70-4759-DU6-SS	70-CDD-DU7-SS	70-4740-SB107	70-4740-SS108						
Field Sample ID:	070SS-0001M-0001-SO	070SS-0002M-0001-SO	070SS-0002M-0002-SO	070SS-0003M-0001-SO	070SS-0004M-0001-SO	070SS-0005M-0001-SO	070SS-0006M-0001-SO	070SS-0007M-0001-SO	070SS-0006M-0003-SO	070SS-0007M-0002-SO	070SS-107-0075-SO	070SS-107-9075-SO	070SS-108-0081-SO	
Lab Sample ID:	240-17230-1	240-17230-2	240-17317-13	240-17230-3	240-17230-4	240-17230-5	240-17230-6	240-17230-7	240-17317-11	240-17317-12	160-26639-4	160-26639-10	160-26663-5	
Sample Date:	11/5/2012	11/5/2012	11/7/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012	11/5/2012	11/7/2012	11/7/2012	2/5/2018	2/5/2018	
Sample Depth:	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-0.5	
Sample Type:	REG	REG	REG	REG	REG	REG	FD	REG	FD	REG	FD	REG	REG	
Di-n-Octylphthalate	117-84-0	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
Fluoranthene	206-44-0	0.13	0.3	-	8.4	1.8	0.41	0.58 J	0.86	-	-	2.3 U	0.11 U	3.2 U
Fluorene	86-73-7	0.018 U	0.027 U	-	0.71	0.16	0.013 U	0.059	0.11 J	-	-	2.3 U	0.11 U	3.2 U
Hexachlorobenzene	118-74-1	0.018 U	0.027 U	-	0.033 U	0.017 U	0.013 U	0.025 U	0.023 U	-	-	2.3 U	0.11 U	3.2 U
Hexachlorobutadiene	87-68-3	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
Hexachlorocyclopentadiene	77-47-4	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	16 U	0.75 U	21 U
Hexachloroethane	67-72-1	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.054	0.17	-	1	0.28	0.17	0.14	0.15	-	-	2.3 U	0.11 U	3.2 U
Isophorone	78-59-1	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
N,N-Diphenylamine	122-39-4	-	-	-	-	-	-	-	-	-	-	2.3 U	0.11 U	3.2 U
Naphthalene	91-20-3	0.018 U	0.035 J	-	0.48	0.27	0.49	0.34	0.31	-	-	2.3 U	0.11 U	3.2 U
Nitrobenzene	98-95-3	0.018 U	0.027 U	-	0.033 U	0.017 U	0.013 U	0.025 U	0.023 U	-	-	2.3 U	0.11 U	3.2 U
N-Nitroso-di-n-propylamine	621-64-7	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
n-Nitrosodiphenylamine	86-30-6	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	-	-	-
Pentachlorophenol	87-86-5	0.46 U	0.65 U	-	0.81 U	0.41 U	0.32 U	0.61 R	0.56 U	-	-	7.8 U	0.37 U	11 U
Phenanthrene	85-01-8	0.15	0.12	-	5.9	1.2	0.32	0.66 J	0.92	-	-	2.3 U	0.11 U	3.2 U
Phenol	108-95-2	0.15 U	0.22 U	-	0.27 U	0.14 U	0.11 U	0.2 U	0.18 U	-	-	2.3 U	0.11 U	3.2 U
Pyrene	129-00-0	0.21	0.28	-	5.7	1.3	0.33	0.44	0.68 J	-	-	2.3 U	0.11 U	3.2 U
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	71-55-6	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
1,1,2,2-Tetrachloroethane	79-34-5	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
1,1,2-Trichloroethane	79-00-5	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
1,1-Dichloroethane	75-34-3	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
1,1-Dichloroethene	75-35-4	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
1,2-Dibromoethane (EDB)	106-93-4	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
1,2-Dichloroethane	107-06-2	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
1,2-Dichloroethene	540-59-0	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
1,2-Dichloropropane	78-87-5	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
2-Butanone (MEK)	78-93-3	0.001 UJ	0.0038 UJ	-	-	-	-	0.0035 UJ	0.0029 UJ	-	-	-	-	-
2-Hexanone	591-78-6	0.00051 U	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	108-10-1	0.00051 U	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
Acetone	67-64-1	0.0032 UJ	0.012 UJ	-	-	-	-	0.011 UJ	0.28 J	-	-	-	-	-
Benzene	71-43-2	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Bromochloromethane	74-97-5	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
Bromodichloromethane	75-27-4	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Bromoform	75-25-2	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Bromomethane	74-83-9	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
Carbon disulfide	75-15-0	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Carbon tetrachloride	56-23-5	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Chlorobenzene	108-90-7	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Chloroethane	75-00-3	0.00051 UJ	0.0019 UJ	-	-	-	-	0.0017 UJ	0.0015 UJ	-	-	-	-	-
Chloroform	67-66-3	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ	0.00074 UJ	-	-	-	-	-
Chloromethane	74-87-3	0.00026 UJ	0.00095 UJ	-	-	-	-	0.00087 UJ						

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Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4744-DU1-SB	70-4744-DU1-SB1	70-4744-DU1-SB2	70-4744-DU1-SB3	70-4744-DU1-SB4	70-4744-DU1-SB5	70-4744-DU1-SB6		70-4740-DU3-SB			
Field Sample ID:	070SB-0011M-0001-SO	070SB-0012M-0001-SO	070SB-0013M-0001-SO	070SB-0014M-0001-SO	070SB-0015M-0001-SO	070SB-0016M-0001-SO	070SB-0017M-0001-SO	070SB-0042M-0001-SO	070SB-0043M-0001-SO	070SB-0019M-0001-SO	070SB-0020M-0001-SO	
Lab Sample ID:	240-17768-1	240-17768-2	240-17768-3	240-17768-4	240-17768-5	240-17768-6	240-17768-7	240-18581-1	240-18735-1	240-18581-2	240-17669-1	240-17669-2
Sample Date:	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	12/7/2012	12/7/2012	12/7/2012	11/13/2012	11/13/2012
Sample Depth:	1-4	4-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-4	4-7
Sample Type:	REG	FD	REG	REG								
TAL Metals (mg/kg)												
Aluminum	7429-90-5	-	-	-	-	-	-	15,000	-	-	10,000	10,000
Antimony	7440-36-0	-	-	-	-	-	-	0.12 U	-	-	0.093 J	0.071 J
Arsenic	7440-38-2	-	-	-	-	-	-	12	-	-	12	10
Barium	7440-39-3	-	-	-	-	-	-	110	-	-	65	66
Beryllium	7440-41-7	-	-	-	-	-	-	0.85	-	-	0.57	0.59
Cadmium	7440-43-9	-	-	-	-	-	-	0.26	-	-	0.19	0.18
Calcium	7440-70-2	-	-	-	-	-	-	8,600	-	-	2,800	8,400
Chromium	7440-47-3	-	-	-	-	-	-	21	-	-	20	17
Cobalt	7440-48-4	-	-	-	-	-	-	16	-	-	11	10
Copper	7440-50-8	-	-	-	-	-	-	23	-	-	18	17
Iron	7439-89-6	-	-	-	-	-	-	33,000	-	-	24,000	23,000
Lead	7439-92-1	-	-	-	-	-	-	17	-	-	16	12
Magnesium	7439-95-4	-	-	-	-	-	-	5,100	-	-	2,900	4,000
Manganese	7439-96-5	-	-	-	-	-	-	630	-	-	420	280
Mercury	7439-97-6	-	-	-	-	-	-	0.022 J	-	-	0.028 J	0.019 J
Nickel	7440-02-0	-	-	-	-	-	-	32	-	-	23	25
Potassium	7440-09-7	-	-	-	-	-	-	1,400	-	-	1,000	1,500
Selenium	7782-49-2	-	-	-	-	-	-	0.67	-	-	0.57	0.42 J
Silver	7440-22-4	-	-	-	-	-	-	0.041 J	-	-	0.032 J	0.026 J
Sodium	7440-23-5	-	-	-	-	-	-	74	-	-	59	70
Thallium	7440-28-0	-	-	-	-	-	-	0.2	-	-	0.16	0.14
Vanadium	7440-62-2	-	-	-	-	-	-	23	-	-	18	16
Zinc	7440-66-6	-	-	-	-	-	-	70	-	-	55	54
Explosives / Propellants (mg/kg)												
1,3,5-Trinitrobenzene	99-35-4	-	-	-	-	-	-	0.059 U	-	-	-	-
1,3-Dinitrobenzene	99-65-0	-	-	-	-	-	-	0.059 U	-	-	-	-
2,4,6-Trinitrotoluene	118-96-7	-	-	-	-	-	-	0.059 U	-	-	-	-
2,4-Dinitrotoluene	121-14-2	-	-	-	-	-	-	0.059 U	-	-	-	-
2,6-Dinitrotoluene	606-20-2	-	-	-	-	-	-	0.059 U	-	-	-	-
2-Amino-4,6-dinitrotoluene	35572-78-2	-	-	-	-	-	-	0.059 U	-	-	-	-
2-Nitrotoluene	88-72-2	-	-	-	-	-	-	0.059 U	-	-	-	-
3-Nitrotoluene	99-08-1	-	-	-	-	-	-	0.059 U	-	-	-	-
4-Amino-2,6-dinitrotoluene	19406-51-0	-	-	-	-	-	-	0.059 U	-	-	-	-
4-Nitrotoluene	99-99-0	-	-	-	-	-	-	0.059 U	-	-	-	-
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	-	-	-	-	-	-	0.059 U	-	-	-	-
Nitrobenzene	98-95-3	-	-	-	-	-	-	0.096 J	-	-	-	-
Nitrocellulose	9004-70-0	-	-	-	-	-	-	56 U	-	-	-	-
Nitroglycerin	55-63-0	-	-	-	-	-	-	0.3 U	-	-	-	-
Nitroguanidine	556-88-7	-	-	-	-	-	-	0.049 U	-	-	-	-
tetrazocine (HMX)	2691-41-0	-	-	-	-	-	-	0.059 U	-	-	-	-
Pentaerythritol tetranitrate (PETN)	78-11-5	-	-	-	-	-	-	0.3 U	-	-	-	-
Tetryl	479-45-8	-	-	-	-	-	-	0.059 U	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
TPH (C6-C12)	68439-45-2	0.053 U	160	0.14	190	0.051 U	0.055 U	0.058 U	-	0.049 U	0.98	-
TPH (C10-C20)	68476-34-6	34	900	46	4,000	34	46	38	370	-	350	-
TPH (C20-C34)	100664-65-1	-	-	-	-	-	-	-	430	-	400	-
Organochlorine Pesticides (mg/kg)												
2,4 DB	94-82-6	-	-	-	-	-	-	-	-	-	-	-
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	-	-	-	-	-	-	-	-	-	-	-
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDD	72-54-8	-	-	-	-	-	-	0.041 UJ	-	-	-	-
4,4'-DDE	72-55-9	-	-	-	-	-	-	0.041 U	-	-	-	-
4,4'-DDT	50-29-3	-	-	-	-	-	-	0.041 UJ	-	-	-	-
Aldrin	309-00-2	-	-	-	-	-	-	0.081 UJ	-	-	-	-
alpha-BHC (alpha-Hexachlorocyclohexane)	319-84-6	-	-	-	-	-	-	0.081 UJ	-	-	-	-
alpha-Chlordane	5103-71-9	-	-	-	-	-	-	0.081 UJ	-	-	-	-
alpha-Endosulfan	959-98-8	-	-	-	-	-	-	0.041 UJ	-	-	-	-
beta-BHC (beta-Hexachlorocyclohexane)	319-85-7	-	-	-	-	-	-	0.081 UJ	-	-	-	-
beta-Endosulfan	33213-65-9	-	-	-	-	-	-	0.081 UJ	-	-	-	-
Dalapon	75-99-0	-	-	-	-	-	-	-	-	-	-	-
delta-BHC (delta-Hexachlorocyclohexane)	319-86-8	-	-	-	-	-	-	0.081 UJ	-	-	-	-
Dicamba	1918-00-9											

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU3-SB1	70-4740-DU3-SB2	70-4740-DU3-SB3	70-4740-DU3-SB4	70-4740-DU3-SB5	70-4740-DU3-SB6	70-4740-DU4-SB	70-4740-DU4-SB1				
Field Sample ID:	070SB-0021M-0001-SO	070SB-0026-0001-SO	070SB-0022M-0001-SO	070SB-0023M-0001-SO	070SB-0024M-0001-SO	070SB-0025M-0001-SO	070SB-0046M-0001-SO	070SB-0047M-0001-SO	070SB-0046M-0001-SB	070SS-0048M-0001-SO	070SB-0049M-0001-SO	070SB-0050M-0001-SO
Lab Sample ID:	240-17669-3	240-17669-8	240-17669-4	240-17669-5	240-17669-6	240-17669-7	240-18581-5	240-18581-6	240-22663-10	240-18581-17	240-18581-18	240-18581-19
Sample Date:	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	12/7/2012	12/7/2012	4/1/2013	12/7/2012	12/7/2012	12/7/2012
Sample Depth:	1-7	7-13	1-13	1-7	1-7	1-7	1-7	1-7	0-1	0-1	0-1	0-1
Sample Type:	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
TAL Metals (mg/kg)												
Aluminum	7429-90-5	12,000	990	8,300	9,000	13,000	7,800	9,900	-	9,800	5,900	8,200
Antimony	7440-36-0	0.076 J	0.086 U	0.1 J	0.071 J	0.077 J	0.063 J	0.11 U	0.1 U	-	0.098 U	0.1 U
Arsenic	7440-38-2	9.3	0.39	13	9.5	11	9.5	8.9	8.2	-	9	5.9
Barium	7440-39-3	70	6.3	50	61	75	68	44	56	-	65	31
Beryllium	7440-41-7	0.61	0.056 J	0.51	0.49	0.72	0.73	0.4	0.5	-	0.58	0.32
Cadmium	7440-43-9	0.16	0.024 J	0.17	0.18	0.21	0.21	0.17	0.17	-	0.17	0.09 J
Calcium	7440-70-2	4,100	160	1,700	1,100	8,500	11,000	1,800	1,500	-	15,000	6,900
Chromium	7440-47-3	18	2.9	16	15	20	20	11	14	-	14	9.2
Cobalt	7440-48-4	8.1	0.36	8.9	9.1	11	12	6.3	7.7	-	50	7.3
Copper	7440-50-8	14	1.6	17	16	19	18	16	16	-	16	10
Iron	7439-89-6	22,000	960	27,000	21,000	27,000	27,000	18,000	20,000	-	21,000	14,000
Lead	7439-92-1	13	3.9	16	11	13	12	14	14	-	12	6.6
Magnesium	7439-95-4	3,100	110	2,000	2,200	4,500	5,100	1,900	2,500	-	4,400	2,700
Manganese	7439-96-5	270	9	430	310	310	330	250	270	-	390	200
Mercury	7439-97-6	0.024 J	0.039 U	0.037 J	0.032 J	0.033 J	0.033 U	0.02 J	0.021 J	-	0.032 U	0.03 U
Nickel	7440-02-0	19	1.2	18	19	29	31	14	17	-	23	15
Potassium	7440-09-7	1,200	210	750	810	1,800	2,100	720	860	-	1,300	930
Selenium	7782-49-2	0.5	0.066 J	0.47	0.43 J	0.51	0.48	0.35 J	0.41 J	-	0.35 J	0.24 J
Silver	7440-22-4	0.039 J	0.026 U	0.021 J	0.03 J	0.032 J	0.029 J	0.03 J	0.029 J	-	0.03 J	0.015 J
Sodium	7440-23-5	57	9.6	46	41	86	86	78	92	-	150	75
Thallium	7440-28-0	0.16	0.018 J	0.13	0.14	0.18	0.18	0.11	0.13	-	0.11	0.076 J
Vanadium	7440-62-2	22	1.6	15	16	20	20	14	16	-	13	8.8
Zinc	7440-66-6	46	3.2	64	49	56	58	42	46	-	47	27
Explosives / Propellants (mg/kg)												
1,3,5-Trinitrobenzene	99-35-4	-	-	-	-	-	-	0.057 U	-	-	-	-
1,3-Dinitrobenzene	99-65-0	-	-	-	-	-	-	0.057 U	-	-	-	-
2,4,6-Trinitrotoluene	118-96-7	-	-	-	-	-	-	0.057 U	-	-	-	-
2,4-Dinitrotoluene	121-14-2	-	-	-	-	-	-	0.057 U	-	-	-	-
2,6-Dinitrotoluene	606-20-2	-	-	-	-	-	-	0.057 U	-	-	-	-
2-Amino-4,6-dinitrotoluene	35572-78-2	-	-	-	-	-	-	0.057 U	-	-	-	-
2-Nitrotoluene	88-72-2	-	-	-	-	-	-	0.057 U	-	-	-	-
3-Nitrotoluene	99-08-1	-	-	-	-	-	-	0.057 U	-	-	-	-
4-Amino-2,6-dinitrotoluene	19406-51-0	-	-	-	-	-	-	0.057 U	-	-	-	-
4-Nitrotoluene	99-99-0	-	-	-	-	-	-	0.057 U	-	-	-	-
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	-	-	-	-	-	-	0.057 U	-	-	-	-
Nitrobenzene	98-95-3	-	-	-	-	-	-	0.057 U	-	-	-	-
Nitrocellulose	9004-70-0	-	-	-	-	-	-	19 U	-	-	-	-
Nitroglycerin	55-63-0	-	-	-	-	-	-	0.28 U	-	-	-	-
Nitroguanidine	556-88-7	-	-	-	-	-	-	0.044 U	-	-	-	-
tetrazocine (HMX)	2691-41-0	-	-	-	-	-	-	0.057 U	-	-	-	-
Pentaerythritol tetranitrate (PETN)	78-11-5	-	-	-	-	-	-	0.28 U	-	-	-	-
Tetryl	479-45-8	-	-	-	-	-	-	0.057 U	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
TPH (C6-C12)	68439-45-2	-	-	-	-	-	-	-	-	-	-	-
TPH (C10-C20)	68476-34-6	-	-	-	-	-	-	-	-	-	-	-
TPH (C20-C34)	100664-65-1	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (mg/kg)												
2,4 DB	94-82-6	-	-	-	-	-	-	-	-	-	-	-
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	-	-	-	-	-	-	-	-	-	-	-
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDD	72-54-8	-	-	-	-	-	-	0.037 R	-	0.0067 UJ	-	-
4,4'-DDE	72-55-9	-	-	-	-	-	-	0.037 R	-	0.0067 UJ	-	-
4,4'-DDT	50-29-3	-	-	-	-	-	-	0.037 R	-	0.0067 UJ	-	-
Aldrin	309-00-2	-	-	-	-	-	-	0.075 R	-	0.013 UJ	-	-
alpha-BHC (alpha-Hexachlorocyclohexane)	319-84-6	-	-	-	-	-	-	0.075 R	-	0.013 UJ	-	-
alpha-Chlordane	5103-71-9	-	-	-	-	-	-	0.075 R	-	0.013 UJ	-	-
alpha-Endosulfan	959-98-8	-	-	-	-	-	-	0.037 R	-	0.0067 UJ	-	-
beta-BHC (beta-Hexachlorocyclohexane)												

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU4-SB2	70-4740-DU4-SB3	70-4740-DU4-SB4	70-4740-DU4-SB5	70-4760-DU5-SB	70-4760-DU5-SB1	70-4760-DU5-SB2	70-4760-DU5-SB3	70-4760-DU5-SB4	70-4760-DU5-SB5	
Field Sample ID:	070SB-0051M-0001-SO	070SB-0052M-0001-SO	070SB-0053M-0001-SO	070SB-0054M-0001-SO	070SB-0027M-0001-SO	070SB-0028M-0001-SO	070SB-0029M-0001-SO	070SB-0030M-0001-SO	070SB-0031M-0001-SO	070SB-0032M-0001-SO	070SB-0033M-0001-SO
Lab Sample ID:	240-18581-20	240-18581-21	240-18581-22	240-18581-23	240-17669-9	240-17669-10	240-17669-11	240-17669-12	240-17669-13	240-17669-14	240-17669-15
Sample Date:	12/7/2012	12/7/2012	12/7/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012
Sample Depth:	0-1.25	0-4	0-3.75	0-2.8	1-4	4-7	1-7	1-7	1-7	1-7	1-7
Sample Type:	REG										
TAL Metals (mg/kg)											
Aluminum	7429-90-5	3,900	7,800	7,400	10,000	-	-	-	-	-	-
Antimony	7440-36-0	0.1 U	0.1 U	0.099 U	0.1 U	-	-	-	-	-	-
Arsenic	7440-38-2	1.8	8.1	6.6	11	-	-	-	-	-	-
Barium	7440-39-3	33	44	38	51	-	-	-	-	-	-
Beryllium	7440-41-7	0.34	0.43	0.38	0.56	-	-	-	-	-	-
Cadmium	7440-43-9	0.12	0.13	0.11	0.16	-	-	-	-	-	-
Calcium	7440-70-2	13,000	5,200	11,000	16,000	-	-	-	-	-	-
Chromium	7440-47-3	6.1	12	12	16	-	-	-	-	-	-
Cobalt	7440-48-4	32	14	8.7	12	-	-	-	-	-	-
Copper	7440-50-8	4.7	13	13	18	-	-	-	-	-	-
Iron	7439-89-6	5,200	18,000	17,000	25,000	-	-	-	-	-	-
Lead	7439-92-1	9.2	9.1	7.7	11	-	-	-	-	-	-
Magnesium	7439-95-4	1,800	3,200	3,400	5,500	-	-	-	-	-	-
Manganese	7439-96-5	260	270	220	310	-	-	-	-	-	-
Mercury	7439-97-6	0.037 U	0.033 U	0.031 U	0.034 U	-	-	-	-	-	-
Nickel	7440-02-0	5.8	20	19	26	-	-	-	-	-	-
Potassium	7440-09-7	530	1,100	1,100	1,400	-	-	-	-	-	-
Selenium	7782-49-2	0.26 J	0.27 J	0.24 J	0.43 J	-	-	-	-	-	-
Silver	7440-22-4	0.017 J	0.02 J	0.017 J	0.027 J	-	-	-	-	-	-
Sodium	7440-23-5	110	77	87	160	-	-	-	-	-	-
Thallium	7440-28-0	0.03 J	0.098 J	0.092 J	0.13	-	-	-	-	-	-
Vanadium	7440-62-2	4.7	11	11	15	-	-	-	-	-	-
Zinc	7440-66-6	18	38	34	52	-	-	-	-	-	-
Explosives / Propellants (mg/kg)											
1,3,5-Trinitrobenzene	99-35-4	-	-	-	-	-	-	-	-	-	-
1,3-Dinitrobenzene	99-65-0	-	-	-	-	-	-	-	-	-	-
2,4,6-Trinitrotoluene	118-96-7	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	121-14-2	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	606-20-2	-	-	-	-	-	-	-	-	-	-
2-Amino-4,6-dinitrotoluene	35572-78-2	-	-	-	-	-	-	-	-	-	-
2-Nitrotoluene	88-72-2	-	-	-	-	-	-	-	-	-	-
3-Nitrotoluene	99-08-1	-	-	-	-	-	-	-	-	-	-
4-Amino-2,6-dinitrotoluene	19406-51-0	-	-	-	-	-	-	-	-	-	-
4-Nitrotoluene	99-99-0	-	-	-	-	-	-	-	-	-	-
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	98-95-3	-	-	-	-	-	-	-	-	-	-
Nitrocellulose	9004-70-0	-	-	-	-	-	-	-	-	-	-
Nitroglycerin	55-63-0	-	-	-	-	-	-	-	-	-	-
Nitroguanidine	556-88-7	-	-	-	-	-	-	-	-	-	-
tetrazocine (HMX)	2691-41-0	-	-	-	-	-	-	-	-	-	-
Pentaerythritol tetranitrate (PETN)	78-11-5	-	-	-	-	-	-	-	-	-	-
Tetryl	479-45-8	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)											
TPH (C6-C12)	68439-45-2	-	-	-	-	-	-	-	-	-	-
TPH (C10-C20)	68476-34-6	-	-	-	-	-	-	39	-	-	-
TPH (C20-C34)	100664-65-1	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (mg/kg)											
2,4 DB	94-82-6	-	-	-	0.034 U	0.033 U	0.034 U	0.037 U	0.034 U	0.034 U	0.033 U
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	-	-	-	0.0085 U	0.049	0.0086 U	0.086	0.0086 U	0.0085 U	0.0084 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	-	-	-	0.034 U	0.033 U	0.034 U	0.037 U	0.034 U	0.034 U	0.033 U
4,4'-DDD	72-54-8	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	72-55-9	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	50-29-3	-	-	-	-	-	-	-	-	-	-
Aldrin	309-00-2	-	-	-	-	-	-	-	-	-	-
alpha-BHC (alpha-Hexachlorocyclohexane)	319-84-6	-	-	-	-	-	-	-	-	-	-
alpha-Chlordane	5103-71-9	-	-	-	-	-	-	-	-	-	-
alpha-Endosulfan	959-98-8	-	-	-	-	-	-	-	-	-	-
beta-BHC (beta-Hexachlorocyclohexane)	319-85-7	-	-	-	-	-	-	-	-	-	-
beta-Endosulfan	33213-65-9	-	-	-	-	-	-	-	-	-	-
Dalapon	75-99-0	-	-	-	0.017 U	0.017 U	0.017 U	0.019 U	0.017 U	0.017 U	0.017 U
delta-BHC (delta-Hexachlorocyclohexane)	319-86-8	-	-	-	-	-	-	-	-	-	-
Dicamba	1918-00-9	-	-	-	0.017 U	0.017 U	0.017 U	0.019 U	0.017 U	0.017 U	0.017 U
Dichloroprop	120-36-5	-	-	-	0.068 UJ	0.067 U	0				

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4760-DU5-SB6	70-4759-DU6-SB	70-4759-DU6-SB1	70-4759-DU6-SB2	70-4759-DU6-SB3	70-4759-DU6-SB4	70-4759-DU6-SB5	70-4740-SB101				
Field Sample ID:	070SB-0044M-0001-SO	070SB-0045M-0001-SO	070SB-0034M-0001-SO	070SB-0035M-0001-SO	070SB-0036M-0001-SO	070SB-0037M-0001-SO	070SB-0038M-0001-SO	070SB-0039M-0001-SO	070SB-0040M-0001-SO	070SB-101-0062-SO	070SB-101-0063-SO	070SB-101-0064-SO
Lab Sample ID:	240-18581-3	240-18581-4	240-17669-16	240-17669-17	240-17669-18	240-17669-19	240-17669-20	240-17669-21	240-17669-22	160-26618-1	160-26618-2	160-26618-3
Sample Date:	12/7/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	2/2/2018	2/2/2018	2/2/2018
Sample Depth:	1-7	1-7	1-4	4-7	1-7	1-7	1-7	1-7	1-7	2-4	4-6	6-7
Sample Type:	REG	FD	REG	REG	REG	REG						
TAL Metals (mg/kg)												
Aluminum	7429-90-5	13,000	-	-	-	-	-	-	-	14,000	15,000	13,000
Antimony	7440-36-0	0.12 U	-	-	-	-	-	-	-	1 U	1.1 U	1.1 U
Arsenic	7440-38-2	9.6	-	-	-	-	-	-	-	14	15	17
Barium	7440-39-3	80 J	-	-	-	-	-	-	-	64	65	62
Beryllium	7440-41-7	0.85	-	-	-	-	-	-	-	0.67	0.79	0.76
Cadmium	7440-43-9	0.24	-	-	-	-	-	-	-	0.12 U	0.13 U	0.13 U
Calcium	7440-70-2	8,800	-	-	-	-	-	-	-	1,300	2,800	4,600
Chromium	7440-47-3	18	-	-	-	-	-	-	-	18	22	20
Cobalt	7440-48-4	10	-	-	-	-	-	-	-	8.7	11	14
Copper	7440-50-8	19	-	-	-	-	-	-	-	27	23	24
Iron	7439-89-6	25,000	-	-	-	-	-	-	-	30,000	35,000	33,000
Lead	7439-92-1	15	-	-	-	-	-	-	-	13	12	14
Magnesium	7439-95-4	4,300	-	-	-	-	-	-	-	3,400	5,100	5,100
Manganese	7439-96-5	430	-	-	-	-	-	-	-	190	190	310
Mercury	7439-97-6	0.021 J	-	-	-	-	-	-	-	0.019 J	0.039 U	0.041 U
Nickel	7440-02-0	24	-	-	-	-	-	-	-	25	32	34
Potassium	7440-09-7	1,000	-	-	-	-	-	-	-	1,100	1,600	1,600
Selenium	7782-49-2	0.59 J+	-	-	-	-	-	-	-	1.3	1.8	1.8
Silver	7440-22-4	0.029 J	-	-	-	-	-	-	-	0.38 U	0.41 U	0.4 U
Sodium	7440-23-5	110	-	-	-	-	-	-	-	100	190	140
Thallium	7440-28-0	0.16	-	-	-	-	-	-	-	1 U	1.1 U	1.1 U
Vanadium	7440-62-2	18	-	-	-	-	-	-	-	19	22	20
Zinc	7440-66-6	55	-	-	-	-	-	-	-	59	70	67
Explosives / Propellants (mg/kg)												
1,3,5-Trinitrobenzene	99-35-4	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
1,3-Dinitrobenzene	99-65-0	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
2,4,6-Trinitrotoluene	118-96-7	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
2,4-Dinitrotoluene	121-14-2	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
2,6-Dinitrotoluene	606-20-2	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
2-Amino-4,6-dinitrotoluene	35572-78-2	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
2-Nitrotoluene	88-72-2	0.06 UJ	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
3-Nitrotoluene	99-08-1	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
4-Amino-2,6-dinitrotoluene	19406-51-0	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
4-Nitrotoluene	99-99-0	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	0.06 UJ	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
Nitrobenzene	99-95-3	0.06 R	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
Nitrocellulose	9004-70-0	19 U	-	-	-	-	-	-	-	-	-	-
Nitroglycerin	55-63-0	0.3 U	-	0.25 U	0.25 U	0.25 U	0.26 U	0.25 U	0.25 U	0.29 U	-	-
Nitroguanidine	556-88-7	0.05 U	-	-	-	-	-	-	-	-	-	-
tetrazocine (HMX)	2691-41-0	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
Pentaerythritol tetranitrate (PETN)	78-11-5	0.3 U	-	0.25 U	0.25 U	0.25 U	0.26 U	0.25 U	0.25 U	0.29 U	-	-
Tetryl	479-45-8	0.06 U	-	0.05 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.058 U	-	-
Total Petroleum Hydrocarbons (mg/kg)												
TPH (C6-C12)	68439-45-2	-	-	-	-	-	-	-	-	-	-	-
TPH (C10-C20)	68476-34-6	-	-	-	-	-	-	-	-	83	-	-
TPH (C20-C34)	100664-65-1	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (mg/kg)												
2,4 DB	94-82-6	0.041 U	0.034 U	-	-	-	-	-	-	-	-	-
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	0.01 U	0.0084 U	-	-	-	-	-	-	-	-	-
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	0.041 U	0.034 U	-	-	-	-	-	-	-	-	-
4,4'-DDD	72-54-8	0.04										

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-SB102				70-4740-SB103				70-4740-SB104				70-4740-SB105				70-4740-SB106				70-4740-SB107			
Field Sample ID:	070SB-102-0065-SO	070SB-102-0066-SO	070SB-102-9066-SO	070SB-102-0067-SO	070SB-103-0069-SO	070SB-103-0070-SO	070SB-104-0072-SO	070SB-105-0073-SO	070SB-106-0074-SO	070SB-107-0076-SO	070SB-107-0077-SO	070SB-107-0078-SO	070SB-107-0079-SO	070SB-107-0080-SO										
Lab Sample ID:	160-26618-4	160-26618-5	160-26618-6	160-26618-7	160-26663-2	160-26663-3	160-26639-1	160-26639-2	160-26639-3	160-26639-5	160-26639-6	160-26639-7	160-26639-8	160-26639-9										
Sample Date:	2/2/2018	2/2/2018	2/2/2018	2/2/2018	2/6/2018	2/6/2018	2/6/2018	2/6/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018											
Sample Depth:	2-4	4-6	4-6	6-8	2-4	4-7	2-4	6-7	6-7	1-3	3-5	5-7	7-9	9-10										
Sample Type:	REG	REG	FD	REG																				
TAL Metals (mg/kg)																								
Aluminum	7429-90-5	11,000	13,000	13,000	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Antimony	7440-36-0	1.1 UJ	1.1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Arsenic	7440-38-2	12	15	12	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Barium	7440-39-3	57 J	62	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Beryllium	7440-41-7	0.65	0.73	0.68	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cadmium	7440-43-9	0.089 J	0.14 U	0.13 U	0.13 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Calcium	7440-70-2	8,500	15,000 J	2,200 J	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chromium	7440-47-3	15	20	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cobalt	7440-48-4	8.9	14	12	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Copper	7440-50-8	22	23	23	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Iron	7439-89-6	26,000	34,000	30,000	32,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lead	7439-92-1	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Magnesium	7439-95-4	3,200 J	6,100	4,600	6,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Manganese	7439-96-5	460	280	300	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mercury	7439-97-6	0.024 J	0.013 J	0.036 U	0.036 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Nickel	7440-02-0	24	33	33	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Potassium	7440-09-7	940 J	1,900	1,700	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Selenium	7782-49-2	1.4	1.4	1.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Silver	7440-22-4	0.41 U	0.43 U	0.39 U	0.39 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sodium	7440-23-5	100	110	98	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Thallium	7440-28-0	1.1 U	1.1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Vanadium	7440-62-2	18	20	19	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Zinc	7440-66-6	64	66	66	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Explosives / Propellants (mg/kg)																								
1,3,5-Trinitrobenzene	99-35-4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
1,3-Dinitrobenzene	99-65-0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
2,4,6-Trinitrotoluene	118-96-7	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
2,4-Dinitrotoluene	121-14-2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
2,6-Dinitrotoluene	606-20-2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
2-Amino-4,6-dinitrotoluene	35572-78-2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
2-Nitrotoluene	88-72-2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
3-Nitrotoluene	99-08-1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
4-Amino-2,6-dinitrotoluene	19406-51-0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.024 UJ	0.024 UJ	0.023 UJ	0.023 UJ	0.024 UJ					
4-Nitrotoluene	99-99-0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.024 UJ	0.024 UJ	0.023 UJ	0.023 UJ	0.024 UJ					
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016 UJ	0.016 UJ	0.015 UJ	0.015 UJ	0.016 UJ					
Nitrobenzene																								

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4744-DU1-SB	70-4744-DU1-SB1	70-4744-DU1-SB2	70-4744-DU1-SB3	70-4744-DU1-SB4	70-4744-DU1-SB5	70-4744-DU1-SB6	70-4740-DU3-SB
Field Sample ID:	070SB-0011M-0001-SO	070SB-0012M-0001-SO	070SB-0013M-0001-SO	070SB-0014M-0001-SO	070SB-0015M-0001-SO	070SB-0016M-0001-SO	070SB-0017M-0001-SO	070SB-0019M-0001-SO
Lab Sample ID:	CAS Number	240-17768-1	240-17768-2	240-17768-3	240-17768-4	240-17768-5	240-17768-6	240-17768-7
Sample Date:	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Sample Depth:	1-4	4-7	1-7	1-7	1-7	1-7	1-7	1-4
Sample Type:	REG							
gamma-Chlordane	5566-34-7	-	-	-	-	-	0.041 UJ	-
Heptachlor	76-44-8	-	-	-	-	-	0.081 UJ	-
Heptachlor epoxide	1024-57-3	-	-	-	-	-	0.081 UJ	-
MCPA	94-74-6	-	-	-	-	-	-	-
MCPP	93-65-2	-	-	-	-	-	-	-
Methoxychlor	72-43-5	-	-	-	-	-	0.2 UJ	-
Pentachlorophenol	87-86-5	-	-	-	-	-	-	-
Silvex (2,4,5-TP)	93-72-1	-	-	-	-	-	-	-
Toxaphene	8001-35-2	-	-	-	-	-	1.2 UJ	-
Polychlorinated Biphenyls (PCBs) (mg/kg)								
Aroclor-1016	12674-11-2	-	-	-	-	-	0.031 U	-
Aroclor-1221	11104-28-2	-	-	-	-	-	0.031 U	-
Aroclor-1232	11141-16-5	-	-	-	-	-	0.031 U	-
Aroclor-1242	53469-21-9	-	-	-	-	-	0.031 U	-
Aroclor-1248	12672-29-6	-	-	-	-	-	0.031 U	-
Aroclor-1254	11097-69-1	-	-	-	-	-	0.031 U	-
Aroclor-1260	11096-82-5	-	-	-	-	-	0.031 U	-
Semivolatile Organic Compounds (mg/kg)								
1,2,4-Trichlorobenzene	120-82-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
1,2-Dichlorobenzene	95-50-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
1,3-Dichlorobenzene	541-73-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
1,4-Dichlorobenzene	106-46-7	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2,4,5-Trichlorophenol	95-95-4	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2,4,6-Trichlorophenol	88-06-2	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
2,4-Dichlorophenol	120-83-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2,4-Dimethylphenol	105-67-9	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
2,4-Dinitrophenol	51-28-5	0.36 R	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
2,4-Dinitrotoluene	121-14-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2,6-Dinitrotoluene	606-20-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2-Chloronaphthalene	91-58-7	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U
2-Chlorophenol	95-57-8	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2-Methyl-4,6-dinitrophenol	534-52-1	0.36 R	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
2-Methylnaphthalene	91-57-6	0.02 J	3.7	0.021 U	18	0.026 J	0.041 U	0.02 U
2-Methylphenol (o-Cresol)	95-48-7	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
2-Nitroaniline	88-74-4	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
2-Nitrophenol	88-75-5	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
3,3'-Dichlorobenzidine	91-94-1	0.36 UJ	2 UJ	0.51 UJ	1.9 UJ	0.52 UJ	0.99 UJ	0.51 UJ
3-Nitroaniline	99-09-2	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
4-Bromophenyl phenyl ether	101-55-3	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
4-Chloro-3-methylphenol	59-50-7	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
4-Chloroaniline	106-47-8	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 R	0.16 U
4-Chlorophenyl phenyl ether	7005-72-3	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
4-Nitroaniline	100-01-6	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
4-Nitrophenol	100-02-7	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
Acenaphthene	83-32-9	0.015 U	1.1	0.021 U	4.6	0.022 U	0.041 U	0.02 U
Acenaphthylene	208-96-8	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U
Anthracene	120-12-7	0.015 U	0.081 U	0.021 U	0.71	0.022 U	0.041 U	0.02 U
Benz(a)anthracene	56-55-3	0.015 U	0.44	0.021 U	1.7	0.022 U	0.041 U	0.02 U
Benz(a)pyrene	50-32-8	0.015 U	0.4	0.077	0.88	0.022 U	0.041 U	0.02 U
Benz(b)fluoranthene	205-99-2	0.015 U	0.081 U	0.021 U	0.37	0.022 U	0.041 U	0.02 U
Benz(g,h,i)perylene	191-24-2	0.015 U	0.17	0.056	0.7	0.022 U	0.041 U	0.02 U
Benz(k)fluoranthene	207-08-9	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U
Benzoic acid	65-85-0	1.5 U	8.3 U	2.1 U	8 U	2.2 U	4.1 U	2.2 U
Benzyl alcohol	100-51-6	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Bis(2-chloroethoxy)methane	111-91-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Bis(2-chloroethyl) ether	111-44-4	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U
bis(2-Chloroisopropyl) ether	108-60-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Bis(2-ethylhexyl)phthalate	117-81-7	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Butyl benzyl phthalate	85-68-7	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Carbazole	86-74-8	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Chrysene	218-01-9	0.015 U	0.38	0.021 U	1.9	0.022 U	0.041 U	0.02 U
Cresols, m & p	15831-10-4	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U
Dibenz(a,h)anthracene	53-70-3	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 J	0.02 U
Dibenzofuran	132-64-9	0.015 U	0.58 J	0.021 U	2.8	0.022 U	0.041 U	0.02 U
Diethyl phthalate	84-66-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Dimethyl phthalate	131-11-3	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Di-n-Butyl phthalate	84-74-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U
Di-n-Octylphthalate	117-84-0	0.13 U</td						

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU3-SB1	70-4740-DU3-SB2	70-4740-DU3-SB3	70-4740-DU3-SB4	70-4740-DU3-SB5	70-4740-DU3-SB6	70-4740-DU4-SB	70-4740-DU4-SB1					
Field Sample ID:	070SB-0021M-0001-SO	070SB-0026-0001-SO	070SB-0022M-0001-SO	070SB-0023M-0001-SO	070SB-0024M-0001-SO	070SB-0025M-0001-SO	070SB-0046M-0001-SO	070SB-0047M-0001-SO	070SB-0046M-0001-SB	070SS-0048M-0001-SO	070SB-0049M-0001-SO	070SB-0050M-0001-SO	
Lab Sample ID:	CAS Number	240-17669-3	240-17669-8	240-17669-4	240-17669-5	240-17669-6	240-17669-7	240-18581-5	240-18581-6	240-22663-10	240-18581-17	240-18581-18	240-18581-19
Sample Date:	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	12/7/2012	12/7/2012	4/1/2013	12/7/2012	12/7/2012	12/7/2012
Sample Depth:	1-7	7-13	1-13	1-7	1-7	1-7	1-7	1-7	1-7	0-1	0-1	0-1	0-1
Sample Type:	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
gamma-Chlordane	5566-34-7	-	-	-	-	-	0.037 R	-	0.0067 UJ	-	-	-	-
Heptachlor	76-44-8	-	-	-	-	-	0.075 R	-	0.013 UJ	-	-	-	-
Heptachlor epoxide	1024-57-3	-	-	-	-	-	0.075 R	-	0.013 UJ	-	-	-	-
MCPA	94-74-6	-	-	-	-	-	-	-	-	-	-	-	-
MCPP	93-65-2	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	72-43-5	-	-	-	-	-	-	0.18 R	-	0.033 UJ	-	-	-
Pentachlorophenol	87-86-5	-	-	-	-	-	-	-	-	-	-	-	-
Silvex (2,4,5-TP)	93-72-1	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	8001-35-2	-	-	-	-	-	-	1.1 R	-	0.2 UJ	-	-	-
Polychlorinated Biphenyls (PCBs) (mg/kg)													
Aroclor-1016	12674-11-2	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1221	11104-28-2	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1232	11141-16-5	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1242	53469-21-9	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1248	12672-29-6	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1254	11097-69-1	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Aroclor-1260	11096-82-5	0.026 U	0.028 U	0.025 U	0.025 U	0.026 U	0.026 U	0.028 UJ	0.025 UJ	-	0.025 UJ	0.025 U	0.025 U
Semivolatile Organic Compounds (mg/kg)													
1,2,4-Trichlorobenzene	120-82-1	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
1,2-Dichlorobenzene	95-50-1	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
1,3-Dichlorobenzene	541-73-1	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
1,4-Dichlorobenzene	106-46-7	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2,4,5-Trichlorophenol	95-95-4	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2,4,6-Trichlorophenol	88-06-2	0.41 U	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
2,4-Dichlorophenol	120-83-2	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 UJ	0.27 UJ	-	0.027 UJ	0.027 UJ	0.027 UJ
2,4-Dimethylphenol	105-67-9	0.41 U	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
2,4-Dinitrophenol	51-28-5	0.41 U	0.091 UU	0.081 U	0.081 UU	0.082 UU	0.082 UU	0.91 UU	0.82 UU	-	0.082 U	0.08 UU	0.082 U
2,4-Dinitrotoluene	121-14-2	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2,6-Dinitrotoluene	606-20-2	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2-Chloronaphthalene	91-58-7	0.016 U	0.0037 U	0.0033 U	0.0034 U	0.0034 U	0.0034 U	0.037 U	0.034 U	-	0.0034 U	0.0033 U	0.0033 U
2-Chlorophenol	95-57-8	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2-Methyl-4,6-dinitrophenol	534-52-1	0.41 U	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
2-Methylnaphthalene	91-57-6	0.016 U	0.0037 U	0.0044 J	0.0044 J	0.0034 U	0.0044 J	0.037 U	0.035 J	-	0.0034 U	0.0033 U	0.0053 J
2-Methylphenol (o-Cresol)	95-48-7	0.41 U	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
2-Nitroaniline	88-74-4	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
2-Nitrophenol	88-75-5	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
3,3'-Dichlorobenzidine	91-94-1	0.41 UJ	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
3,4'-Dichlorobenzene	99-09-2	0.41 U	0.091 U	0.081 U	0.081 U	0.082 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U
4-Bromophenyl phenyl ether	101-55-3	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
4-Chloro-3-methylphenol	59-50-7	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U
4-Chloroaniline	106-47-8	0.13 U	0.031 U	0.027 U	0.027 U	0.028 U	0.028 U	0.31 U	0.27 U	-	0.027 U</td		

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU4-SB2	70-4740-DU4-SB3	70-4740-DU4-SB4	70-4740-DU4-SB5	70-4760-DU5-SB	70-4760-DU5-SB1	70-4760-DU5-SB2	70-4760-DU5-SB3	70-4760-DU5-SB4	70-4760-DU5-SB5	
Field Sample ID:	070SB-0051M-0001-SO	070SB-0052M-0001-SO	070SB-0053M-0001-SO	070SB-0054M-0001-SO	070SB-0027M-0001-SO	070SB-0028M-0001-SO	070SB-0029M-0001-SO	070SB-0030M-0001-SO	070SB-0031M-0001-SO	070SB-0032M-0001-SO	070SB-0033M-0001-SO
Lab Sample ID:	240-18581-20	240-18581-21	240-18581-22	240-18581-23	240-17669-9	240-17669-10	240-17669-11	240-17669-12	240-17669-13	240-17669-14	240-17669-15
Sample Date:	12/7/2012	12/7/2012	12/7/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012
Sample Depth:	0-1.25	0-4	0-3.75	0-2.8	1-4	4-7	1-7	1-7	1-7	1-7	1-7
Sample Type:	REG										
gamma-Chlordane	5566-34-7	-	-	-	-	-	-	-	-	-	-
Heptachlor	76-44-8	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	1024-57-3	-	-	-	-	-	-	-	-	-	-
MCPA	94-74-6	-	-	-	3.4 UJ	3.3 UJ	3.4 UJ	3.7 UJ	3.4 UJ	3.4 UJ	3.3 UJ
MCPP	93-65-2	-	-	-	3.4 U	3.3 U	3.4 U	3.7 U	3.4 U	3.4 U	3.3 U
Methoxychlor	72-43-5	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	-	-	-	0.0085 UJ	0.0084 UJ	0.0086 UJ	0.0092 UJ	0.0086 UJ	0.0085 UJ	0.0084 UJ
Silvex (2,4,5-TP)	93-72-1	-	-	-	0.0085 U	0.0084 U	0.0086 U	0.0092 U	0.0086 U	0.0085 U	0.0084 U
Toxaphene	8001-35-2	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs) (mg/kg)											
Aroclor-1016	12674-11-2	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1221	11104-28-2	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1232	11141-16-5	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1242	53469-21-9	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1248	12672-29-6	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1254	11097-69-1	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Aroclor-1260	11096-82-5	0.025 U	0.024 U	0.025 U	0.024 U	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1,2,4-Trichlorobenzene	120-82-1	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.028 U	0.14 U	0.13 U
1,2-Dichlorobenzene	95-50-1	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.029 J	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
1,3-Dichlorobenzene	541-73-1	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
1,4-Dichlorobenzene	106-46-7	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2,4,5-Trichlorophenol	95-95-4	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.14 J	0.028 U	0.14 U
2,4,6-Trichlorophenol	88-06-2	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
2,4-Dichlorophenol	120-83-2	0.27 UJ	0.27 UJ	0.11 UJ	0.11 UJ	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2,4-Dimethylphenol	105-67-9	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
2,4-Dinitrophenol	51-28-5	0.81 U	0.81 U	0.32 U	0.32 U	0.082 UJ	0.41 U	0.41 U	0.089 UJ	0.082 UJ	0.41 U
2,4-Dinitrotoluene	121-14-2	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2,6-Dinitrotoluene	606-20-2	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2-Chloronaphthalene	91-58-7	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.017 U
2-Chlorophenol	95-57-8	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2-Methyl-4,6-dinitrophenol	534-52-1	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
2-Methylnaphthalene	91-57-6	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.036	0.029 J	0.07	0.0055 J	0.057
2-Methylphenol (o-Cresol)	95-48-7	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
2-Nitroaniline	88-74-4	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
2-Nitrophenol	88-75-5	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
3,3'-Dichlorobenzidine	91-94-1	0.81 UJ	0.81 UJ	0.32 U	0.32 U	0.082 UJ	0.41 UJ	0.41 UJ	0.089 UJ	0.082 UJ	0.41 UJ
3-Nitroaniline	99-09-2	0.81 UJ	0.81 UJ	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
4-Bromophenyl phenyl ether	101-55-3	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
4-Chloro-3-methylphenol	59-50-7	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
4-Chloroaniline	106-47-8	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
4-Chlorophenyl phenyl ether	7005-72-3	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
4-Nitroaniline	100-01-6	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
4-Nitrophenol	100-02-7	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
Acenaphthene	83-32-9	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.016 U
Acenaphthylene	208-96-8	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.016 U
Anthracene	120-12-7	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.016 U
Benz(a)anthracene	56-55-3	0.033 UJ	0.033 UJ</td								

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4760-DU5-SB6		70-4759-DU6-SB		70-4759-DU6-SB1		70-4759-DU6-SB2		70-4759-DU6-SB3		70-4759-DU6-SB4		70-4759-DU6-SB5		70-4740-SB101		
Field Sample ID:	070SB-0044M-0001-SO	070SB-0045M-0001-SO	070SB-0034M-0001-SO	070SB-0035M-0001-SO	070SB-0036M-0001-SO	070SB-0037M-0001-SO	070SB-0038M-0001-SO	070SB-0039M-0001-SO	070SB-0040M-0001-SO	070SB-101-0062-SO	070SB-101-0063-SO	070SB-101-0064-SO	160-26618-1	160-26618-2	160-26618-3		
Lab Sample ID:	CAS Number		240-18581-3	240-18581-4	240-17669-16	240-17669-17	240-17669-18	240-17669-19	240-17669-20	240-17669-21	240-17669-22	160-26618-1	160-26618-2	160-26618-3			
Sample Date:	12/7/2012		12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	2/2/2018	2/2/2018	2/2/2018			
Sample Depth:	1-7		1-7	1-4	4-7	1-7	1-7	1-7	1-7	1-7	1-7	2-4	4-6	6-7			
Sample Type:	REG		FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG			
gamma-Chlordane	5566-34-7	0.041 U	-	-	-	-	-	-	-	-	-	-	-	-			
Heptachlor	76-44-8	0.083 U	-	-	-	-	-	-	-	-	-	-	-	-			
Heptachlor epoxide	1024-57-3	0.083 UJ	-	-	-	-	-	-	-	-	-	-	-	-			
MCPA	94-74-6	4.1 UJ	3.4 UJ	-	-	-	-	-	-	-	-	-	-	-			
MCPP	93-65-2	4.1 UJ	3.4 UJ	-	-	-	-	-	-	-	-	-	-	-			
Methoxychlor	72-43-5	0.2 U	-	-	-	-	-	-	-	-	-	-	-	-			
Pentachlorophenol	87-86-5	0.01 U	0.0084 U	-	-	-	-	-	-	-	-	-	-	-			
Silvex (2,4,5-TP)	93-72-1	0.01 U	0.0084 U	-	-	-	-	-	-	-	-	-	-	-			
Toxaphene	8001-35-2	1.2 UJ	-	-	-	-	-	-	-	-	-	-	-	-			
Polychlorinated Biphenyls (PCBs) (mg/kg)																	
Aroclor-1016	12674-11-2	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1221	11104-28-2	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1232	11141-16-5	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1242	53469-21-9	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1248	12672-29-6	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1254	11097-69-1	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.029 U	0.018 U	0.018 U	0.019 U				
Aroclor-1260	11096-82-5	0.03 U	-	0.025 U	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.018 J	0.029 U	0.011 U	0.012 U				
Semivolatile Organic Compounds (mg/kg)																	
1,2,4-Trichlorobenzene	120-82-1	0.34 UJ	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
1,2-Dichlorobenzene	95-50-1	0.34 UJ	0.27 U	0.052 J	0.13 U	0.13 U	0.14 U	0.14 U	0.2 J	0.15 U	0.11 U	0.11 U	0.12 U				
1,3-Dichlorobenzene	541-73-1	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
1,4-Dichlorobenzene	106-46-7	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2,4,5-Trichlorophenol	95-95-4	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2,4,6-Trichlorophenol	88-06-2	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.11 U	0.11 U	0.12 U				
2,4-Dichlorophenol	120-83-2	0.34 UJ	0.27 UJ	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2,4-Dimethylphenol	105-67-9	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.11 U	0.11 U	0.12 U				
2,4-Dinitrophenol	51-28-5	1 UJ	0.81 UJ	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.76 U	0.76 U	0.78 U				
2,4-Dinitrotoluene	121-14-2	0.34 R	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2,6-Dinitrotoluene	606-20-2	0.34 R	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2-Chloronaphthalene	91-58-7	0.041 U	0.034 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.017 U	0.019 U	0.11 U	0.11 U	0.12 U				
2-Chlorophenol	95-57-8	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2-Methyl-4,6-dinitrophenol	534-52-1	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.76 U	0.76 U	0.78 U				
2-Methylnaphthalene	91-57-6	0.041 U	0.082	0.091	0.016 U	0.016 U	0.017 U	0.017 U	0.19	0.019 U	0.11 U	0.11 U	0.12 U				
2-Methylphenol (o-Cresol)	95-48-7	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.11 U	0.11 U	0.12 U				
2-Nitroaniline	88-74-4	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
2-Nitrophenol	88-75-5	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U				
3,3'-Dichlorobenzidine	91-94-1	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.76 U	0.76 U	0.78 U				
3-Nitroaniline	99-09-2	1 U	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.11 U	0.11 U	0.12 U				
4-Bromophenyl phenyl ether	101-55-3	0.34 U															

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-SB102												70-4740-SB103												70-4740-SB104											
Field Sample ID:	70-4740-SB102				70-4740-SB103				70-4740-SB104				70-4740-SB105				70-4740-SB106				70-4740-SB107				70-4740-SB108				70-4740-SB109							
Lab Sample ID:	CAS Number	070SB-102-0065-SO	070SB-102-0066-SO	070SB-102-9066-SO	070SB-102-0067-SO	070SB-103-0069-SO	070SB-103-0070-SO	070SB-104-0072-SO	070SB-105-0073-SO	070SB-106-0074-SO	070SB-107-0076-SO	070SB-107-0077-SO	070SB-107-0078-SO	070SB-107-0079-SO	070SB-107-0080-SO	160-26618-4	160-26618-5	160-26618-6	160-26618-7	160-26663-2	160-26663-3	160-26639-1	160-26639-2	160-26639-3	160-26639-5	160-26639-6	160-26639-7	160-26639-8	160-26639-9							
Sample Date:		2/2/2018	2/2/2018	2/2/2018	2/2/2018	2/6/2018	2/6/2018	2/6/2018	2/6/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Sample Depth:		2-4	4-6	4-6	6-8	2-4	4-7	2-4	6-7	6-7	1-3	3-5	5-7	7-9	9-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Sample Type:		REG	REG	FD	REG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
gamma-Chlordane	5566-34-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Heptachlor	76-44-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Heptachlor epoxide	1024-57-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
MCPA	94-74-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
MCPP	93-65-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Methoxychlor	72-43-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Pentachlorophenol	87-86-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Silvex (2,4,5-TP)	93-72-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Toxaphene	8001-35-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Polychlorinated Biphenyls (PCBs) (mg/kg)																																				
Aroclor-1016	12674-11-2	0.019 U	0.019 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U						
Aroclor-1221	11104-28-2	0.019 U	0.019 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U						
Aroclor-1232	11141-16-5	0.019 U	0.019 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U						
Aroclor-1242	53469-21-9	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U						
Aroclor-1248	12672-29-6	0.019 U	0.019 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U						
Aroclor-1254	11097-69-1	0.019 U	0.019 U	0.018 U	0.018 U	-	-	-	-	-	-	-	-	-	-	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U						
Aroclor-1260	11096-82-5	0.012 U	0.012 U	0.012 U	0.012 U	-	-	-	-	-	-	-	-	-	-	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U						
Semivolatile Organic Compounds (mg/kg)																																				
1,2,4-Trichlorobenzene	120-82-1	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U						
1,2-Dichlorobenzene	95-50-1	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U												

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4744-DU1-SB		70-4744-DU1-SB1		70-4744-DU1-SB2		70-4744-DU1-SB3		70-4744-DU1-SB4		70-4744-DU1-SB5		70-4744-DU1-SB6		70-4740-DU3-SB	
Field Sample ID:	070SB-0011M-0001-SO	070SB-0012M-0001-SO	070SB-0013M-0001-SO	070SB-0014M-0001-SO	070SB-0015M-0001-SO	070SB-0016M-0001-SO	070SB-0017M-0001-SO	070SB-0018M-0001-SO	070SB-0019M-0001-SO	070SB-0020M-0001-SO	070SB-0021M-0001-SO	070SB-0022M-0001-SO	070SB-0023M-0001-SO	070SB-0024M-0001-SO	070SB-0025M-0001-SO	
Lab Sample ID:	240-17768-1	240-17768-2	240-17768-3	240-17768-4	240-17768-5	240-17768-6	240-17768-7	240-18581-1	240-18735-1	240-18581-2	240-17669-1	240-17669-2	240-17669-3	240-17669-4	240-17669-5	
Sample Date:	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	12/7/2012	12/12/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	
Sample Depth:	1-4	4-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	1-4	4-7		
Sample Type:	REG	FD	REG	REG												
Hexachlorobutadiene	87-68-3	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.13 U	0.027 U		
Hexachlorocyclopentadiene	77-47-4	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.13 U	0.027 U		
Hexachloroethane	67-72-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.13 U	0.027 U		
Indeno(1,2,3-cd)pyrene	193-39-5	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U	0.041 U	-	0.041 U	0.053	0.053	0.0049 J		
Isophorone	78-59-1	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.13 U	0.027 U		
N,N-Diphenylamine	122-39-4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Naphthalene	91-20-3	0.015 U	0.22	0.021 U	1	0.022 U	0.041 U	0.02 U	0.062 J	-	0.064 J	0.016 U	0.0034 U			
Nitrobenzene	98-95-3	0.015 U	0.081 U	0.021 U	0.078 U	0.022 U	0.041 U	0.02 U	0.041 U	-	0.041 U	0.016 U	0.0034 U			
N-Nitroso-di-n-propylamine	621-64-7	0.13 UJ	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.027 U			
n-Nitrosodiphenylamine	86-30-6	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 J	0.16 U	0.33 UJ	-	0.34 UJ	0.13 U	0.027 U			
Pentachlorophenol	87-86-5	0.36 U	2 U	0.51 U	1.9 U	0.52 U	0.99 U	0.51 U	0.98 U	-	0.99 U	0.41 U	0.081 U			
Phenanthrene	85-01-8	0.033	3	0.044	12	0.022 U	0.041 U	0.02 U	1.2	-	1	0.1	0.0069			
Phenol	108-95-2	0.13 U	0.67 U	0.17 U	0.65 U	0.18 U	0.33 U	0.16 U	0.33 U	-	0.34 U	0.13 U	0.027 U			
Pyrene	129-00-0	0.03 J	2.7	0.035 J	11	0.022 U	0.041 U	0.02 U	1.2	-	0.91	0.16	0.0048 J			
Volatile Organic Compounds (mg/kg)																
1,1,1-Trichloroethane	71-55-6	0.0011 UJ	0.041 UJ	0.001 UJ	0.019 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
1,1,2,2-Tetrachloroethane	79-34-5	0.00054 UJ	0.048 U	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
1,1,2-Trichloroethane	79-00-5	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
1,1-Dichloroethane	75-34-3	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
1,1-Dichloroethene	75-35-4	0.0011 UJ	0.048 UJ	0.001 UJ	0.023 UJ	0.001 UJ	0.00089 U	0.0012 UJ	-	0.0011 U	-	-	-	-		
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2-Dibromoethane (EDB)	106-93-4	0.0011 UJ	0.048 UJ	0.001 UJ	0.023 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
1,2-Dichloroethane	107-06-2	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
1,2-Dichloroethene	540-59-0	0.0011 UJ	0.016 UJ	0.001 UJ	0.0076 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
1,2-Dichloropropane	78-87-5	0.0011 UJ	0.019 UJ	0.001 UJ	0.0093 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
2-Butanone (MEK)	78-93-3	0.0022 UJ	0.19 UJ	0.0021 UJ	0.093 UJ	0.002 U	0.0022 U	0.0024 U	0.062 J	-	0.055 J	-	-	-		
2-Hexanone	591-78-6	0.0011 UJ	0.097 UJ	0.001 UJ	0.046 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 UJ	-	0.0011 U	-	-	-		
4-Methyl-2-pentanone (MIBK)	108-10-1	0.0011 UJ	0.19 UJ	0.001 UJ	0.093 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
Acetone	67-64-1	0.0068 UJ	0.39 UJ	0.0065 UJ	0.0052 UJ	0.19 UJ	0.0065 U	0.0071 U	0.024	-	0.0068 U	-	-	-		
Benzene	71-43-2	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00073 J	-	0.00084 J	-	-	-		
Bromochloromethane	74-97-5	0.0011 UJ	0.048 UJ	0.001 UJ	0.023 UJ	0.001 UJ	0.0011 UJ	0.0012 UJ	0.00089 U	-	0.0011 U	-	-	-		
Bromodichloromethane	75-27-4	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
Bromoform	75-25-2	0.00054 UJ	0.048 UJ	0.00052 UJ	0.023 UJ	0.00051 UJ	0.00056 UJ	0.00061 UJ	0.00045 U	-	0.00054 U	-	-	-		
Bromomethane	74-83-9	0.0011 UJ														

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU3-SB1	70-4740-DU3-SB2	70-4740-DU3-SB3	70-4740-DU3-SB4	70-4740-DU3-SB5	70-4740-DU3-SB6	70-4740-DU4-SB	70-4740-DU4-SB1				
Field Sample ID:	070SB-0021M-0001-SO	070SB-0026-0001-SO	070SB-0022M-0001-SO	070SB-0023M-0001-SO	070SB-0024M-0001-SO	070SB-0025M-0001-SO	070SB-0046M-0001-SO	070SB-0047M-0001-SO	070SB-0046M-0001-SB	070SS-0048M-0001-SO	070SB-0049M-0001-SO	070SB-0050M-0001-SO
Lab Sample ID:	240-17669-3	240-17669-8	240-17669-4	240-17669-5	240-17669-6	240-17669-7	240-18581-5	240-18581-6	240-22663-10	240-18581-17	240-18581-18	240-18581-19
Sample Date:	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	12/7/2012	12/7/2012	4/1/2013	12/7/2012	12/7/2012	12/7/2012
Sample Depth:	1-7	7-13	1-13	1-7	1-7	1-7	1-7	1-7	1-7	0-1	0-1	0-1
Sample Type:	REG	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG	REG
Hexachlorobutadiene	87-68-3	0.13 U	0.031 U	0.027 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
Hexachlorocyclopentadiene	77-47-4	0.13 U	0.031 U	0.027 U	0.027 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
Hexachloroethane	67-72-1	0.13 U	0.031 U	0.027 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.016 U	0.0037 U	0.0033 U	0.0034 U	0.0052 J	0.0034 U	0.037 U	0.034 U	0.0034 U	0.0033 U	0.0033 U
Isophorone	78-59-1	0.13 U	0.031 U	0.027 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
N,N-Diphenylamine	122-39-4	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	0.016 U	0.0037 U	0.0048 J	0.0044 J	0.0052 J	0.0056 J	0.037 U	0.034 U	0.0034 U	0.0039 J	0.0057 J
Nitrobenzene	98-95-3	0.016 U	0.0037 U	0.0033 U	0.0034 U	0.0034 U	0.037 U	0.034 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U
N-Nitroso-di-n-propylamine	621-64-7	0.13 U	0.031 U	0.027 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
n-Nitrosodiphenylamine	86-30-6	0.13 U	0.031 U	0.027 U	0.028 U	0.31 R	0.27 U	-	0.027 UJ	0.027 UJ	0.027 UJ	0.027 UJ
Pentachlorophenol	87-86-5	0.41 U	0.091 U	0.081 U	0.082 U	0.91 U	0.82 U	-	0.082 U	0.08 U	0.082 U	0.082 U
Phenanthrene	85-01-8	0.017 J	0.0037 U	0.0033 U	0.0043 J	0.0058 J	0.0034 U	0.037 U	0.034 U	0.039	0.0033 U	0.014
Phenol	108-95-2	0.13 U	0.031 U	0.027 U	0.028 U	0.31 U	0.27 U	-	0.027 U	0.027 U	0.027 U	0.027 U
Pyrene	129-00-0	0.034	0.0037 U	0.0033 U	0.0034 U	0.012	0.0034 U	0.037 U	0.034 U	0.0089	0.0033 U	0.0043 J
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	71-55-6	-	-	-	-	-	-	0.001 U	-	-	-	-
1,1,2,2-Tetrachloroethane	79-34-5	-	-	-	-	-	-	0.00052 U	-	-	-	-
1,1,2-Trichloroethane	79-00-5	-	-	-	-	-	-	0.00052 U	-	-	-	-
1,1-Dichloroethane	75-34-3	-	-	-	-	-	-	0.00052 U	-	-	-	-
1,1-Dichloroethene	75-35-4	-	-	-	-	-	-	0.001 U	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	106-93-4	-	-	-	-	-	-	0.001 U	-	-	-	-
1,2-Dichloroethane	107-06-2	-	-	-	-	-	-	0.00052 U	-	-	-	-
1,2-Dichloroethene	540-59-0	-	-	-	-	-	-	0.001 U	-	-	-	-
1,2-Dichloropropane	78-87-5	-	-	-	-	-	-	0.001 U	-	-	-	-
2-Butanone (MEK)	78-93-3	-	-	-	-	-	-	0.0046 J	-	-	-	-
2-Hexanone	591-78-6	-	-	-	-	-	-	0.021 U	-	-	-	-
4-Methyl-2-pentanone (MIBK)	108-10-1	-	-	-	-	-	-	0.021 U	-	-	-	-
Acetone	67-64-1	-	-	-	-	-	-	0.019 J	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	0.0004 J	-	-	-	-
Bromochloromethane	74-97-5	-	-	-	-	-	-	0.001 U	-	-	-	-
Bromodichloromethane	75-27-4	-	-	-	-	-	-	0.00052 U	-	-	-	-
Bromoform	75-25-2	-	-	-	-	-	-	0.00052 U	-	-	-	-
Bromomethane	74-83-9	-	-	-	-	-	-	0.001 U	-	-	-	-
Carbon disulfide	75-15-0	-	-	-	-	-	-	0.00063 J	-	-	-	-
Carbon tetrachloride	56-23-5	-	-	-	-	-	-	0.00052 U	-	-	-	-
Chlorobenzene	108-90-7	-	-	-	-	-	-	0.00052 U	-	-	-	-
Chloroethane	75-00-3	-	-	-	-	-	-	0.001 U	-	-	-	-
Chloroform	67-66-3	-	-	-	-	-	-	0.00052 U	-	-	-	-
Chloromethane	74-87-3	-	-	-	-	-	-	0.00052 U	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	10061-01-5	-	-	-	-	-	-	0.00052 U	-	-	-	-
Dibromochloromethane	124-48-1	-	-	-	-	-	-	0.001 U	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	0.00052 U	-	-	-	-
Methyl tert-butyl ether (MTBE)	1634-04-4	-	-	-	-	-	-	0.00052 U	-	-	-	-
Methylene chloride	75-09-2	-	-	-	-	-	-	0.008 U	-	-	-	-
Styrene	100-42-5	-	-	-	-	-	-	0.00052 U	-	-	-	-
Tetrachloroethene (PCE)	127-18-4	-	-	-	-	-	-	0.001 U	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	0.0025 J	-	-	-	-
trans-1,2-Dichloroethene	156-60-5	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	10061-02-6	-	-	-	-	-	-	0.001 U	-	-	-	-
Trichloroethene (TCE)	79-01-6	-	-	-	-	-	-	0.00052 U	-	-	-	-
Vinyl chloride	75-01-4	-	-	-	-	-	-	0.00052 U	-	-	-	-
Xylenes, Total	1330-20-7	-	-	-	-	-	-	0.0016 U	-	-	-	-

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-DU4-SB2	70-4740-DU4-SB3	70-4740-DU4-SB4	70-4740-DU4-SB5	70-4760-DU5-SB	70-4760-DU5-SB1	70-4760-DU5-SB2	70-4760-DU5-SB3	70-4760-DU5-SB4	70-4760-DU5-SB5	
Field Sample ID:	070SB-0051M-0001-SO	070SB-0052M-0001-SO	070SB-0053M-0001-SO	070SB-0054M-0001-SO	070SB-0027M-0001-SO	070SB-0028M-0001-SO	070SB-0029M-0001-SO	070SB-0030M-0001-SO	070SB-0031M-0001-SO	070SB-0032M-0001-SO	070SB-0033M-0001-SO
Lab Sample ID:	240-18581-20	240-18581-21	240-18581-22	240-18581-23	240-17669-9	240-17669-10	240-17669-11	240-17669-12	240-17669-13	240-17669-14	240-17669-15
Sample Date:	12/7/2012	12/7/2012	12/7/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012
Sample Depth:	0-1.25	0-4	0-3.75	0-2.8	1-4	4-7	1-7	1-7	1-7	1-7	1-7
Sample Type:	REG										
Hexachlorobutadiene	87-68-3	0.27 UJ	0.27 UJ	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U	0.13 U
Hexachlorocyclopentadiene	77-47-4	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.028 U	0.14 U	0.13 U
Hexachloroethane	67-72-1	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.043
Isophorone	78-59-1	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
N,N-Diphenylamine	122-39-4	-	-	-	-	-	-	-	-	-	-
Naphthalene	91-20-3	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.022 J	0.017 J	0.021	0.0063 J	0.05
Nitrobenzene	98-95-3	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.016 U	0.016 U	0.0037 U	0.0034 U	0.017 U
N-Nitroso-di-n-propylamine	621-64-7	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
n-Nitrosodiphenylamine	86-30-6	0.27 UJ	0.27 UJ	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
Pentachlorophenol	87-86-5	0.81 U	0.81 U	0.32 U	0.32 U	0.082 U	0.41 U	0.41 U	0.089 U	0.082 U	0.41 U
Phenanthrene	85-01-8	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0034 U	0.061	0.036	0.07	0.0043 J	0.056
Phenol	108-95-2	0.27 U	0.27 U	0.11 U	0.11 U	0.028 U	0.13 U	0.13 U	0.03 U	0.028 U	0.14 U
Pyrene	129-00-0	0.033 UJ	0.033 UJ	0.013 U	0.013 U	0.0057 J	0.016 U	0.051	0.0078	0.0034 U	0.089
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	71-55-6	-	-	-	-	-	-	-	0.00087 U	-	-
1,1,2,2-Tetrachloroethane	79-34-5	-	-	-	-	-	-	-	0.00044 U	-	-
1,1,2-Trichloroethane	79-00-5	-	-	-	-	-	-	-	0.00044 U	-	-
1,1-Dichloroethane	75-34-3	-	-	-	-	-	-	-	0.00044 U	-	-
1,1-Dichloroethene	75-35-4	-	-	-	-	-	-	-	0.00087 U	-	-
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (EDB)	106-93-4	-	-	-	-	-	-	-	0.00087 U	-	-
1,2-Dichloroethane	107-06-2	-	-	-	-	-	-	-	0.00044 U	-	-
1,2-Dichloroethene	540-59-0	-	-	-	-	-	-	-	0.00087 U	-	-
1,2-Dichloropropane	78-87-5	-	-	-	-	-	-	-	0.00087 U	-	-
2-Butanone (MEK)	78-93-3	-	-	-	-	-	-	-	0.0017 U	-	-
2-Hexanone	591-78-6	-	-	-	-	-	-	-	0.00087 U	-	-
4-Methyl-2-pentanone (MIBK)	108-10-1	-	-	-	-	-	-	-	0.00087 U	-	-
Acetone	67-64-1	-	-	-	-	-	-	-	0.0055 U	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	0.00044 U	-	-
Bromochloromethane	74-97-5	-	-	-	-	-	-	-	0.00087 U	-	-
Bromodichloromethane	75-27-4	-	-	-	-	-	-	-	0.00044 U	-	-
Bromoform	75-25-2	-	-	-	-	-	-	-	0.00044 U	-	-
Bromomethane	74-83-9	-	-	-	-	-	-	-	0.00087 U	-	-
Carbon disulfide	75-15-0	-	-	-	-	-	-	-	0.027 J	-	-
Carbon tetrachloride	56-23-5	-	-	-	-	-	-	-	0.00044 U	-	-
Chlorobenzene	108-90-7	-	-	-	-	-	-	-	0.00044 U	-	-
Chloroethane	75-00-3	-	-	-	-	-	-	-	0.00087 U	-	-
Chloroform	67-66-3	-	-	-	-	-	-	-	0.00044 U	-	-
Chloromethane	74-87-3	-	-	-	-	-	-	-	0.00044 U	-	-
cis-1,2-Dichloroethene	156-59-2	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	10061-01-5	-	-	-	-	-	-	-	0.00044 U	-	-
Dibromochloromethane	124-48-1	-	-	-	-	-	-	-	0.00087 U	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	0.00044 U	-	-
Methyl tert-butyl ether (MTBE)	1634-04-4	-	-	-	-	-	-	-	0.00044 U	-	-
Methylene chloride	75-09-2	-	-	-	-	-	-	-	0.00087 U	-	-
Styrene	100-42-5	-	-	-	-	-	-	-	0.00044 U	-	-
Tetrachloroethene (PCE)	127-18-4	-	-	-	-	-	-	-	0.00087 U	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	0.00044 U	-	-
trans-1,2-Dichloroethene	156-60-5	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	10061-02-6	-	-	-	-	-	-	-	0.00087 U	-	-
Trichloroethene (TCE)	79-01-6	-	-	-	-	-	-	-	0.00044 U	-	-
Vinyl chloride	75-01-4	-	-	-	-	-	-	-	0.00044 U	-	-
Xylenes, Total	1330-20-7	-	-	-	-	-	-	-	0.0013 U	-	-

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4760-DU5-SB6		70-4759-DU6-SB		70-4759-DU6-SB1		70-4759-DU6-SB2		70-4759-DU6-SB3		70-4759-DU6-SB4		70-4759-DU6-SB5		70-4740-SB101																						
Field Sample ID:	070SB-0044M-0001-SO	070SB-0045M-0001-SO	070SB-0034M-0001-SO	070SB-0035M-0001-SO	070SB-0036M-0001-SO	070SB-0037M-0001-SO	070SB-0038M-0001-SO	070SB-0039M-0001-SO	070SB-0040M-0001-SO	070SB-101-0062-SO	070SB-101-0063-SO	070SB-101-0064-SO	Sample Date:	12/7/2012	12/7/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	11/13/2012	Lab Sample ID:	240-18581-3	240-18581-4	240-17669-16	240-17669-17	240-17669-18	240-17669-19	240-17669-20	240-17669-21	240-17669-22	160-26618-1	160-26618-2	160-26618-3
CAS Number	Sample Depth:	1-7	1-7	1-4	4-7	1-7	1-7	1-7	1-7	1-7	1-7	1-7	Sample Type:	REG	FD	REG																					
Hexachlorobutadiene	87-68-3	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U																								
Hexachlorocyclopentadiene	77-47-4	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.76 U	0.76 U	0.78 U																								
Hexachloroethane	67-72-1	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U																								
Indeno(1,2,3-cd)pyrene	193-39-5	0.041 U	0.034 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.017 U	0.019 U	0.11 U	0.11 U	0.12 U																								
Isophorone	78-59-1	0.34 U	0.27 U	0.068 J	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U																								
N,N-Diphenylamine	122-39-4	-	-	-	-	-	-	-	-	-	0.11 U	0.11 U	0.12 U																								
Naphthalene	91-20-3	0.041 U	0.07	0.066	0.016 U	0.016 U	0.017 U	0.017 U	0.13	0.019 U	0.11 U	0.11 U	0.12 U																								
Nitrobenzene	98-95-3	0.041 U	0.034 U	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.017 U	0.019 U	0.11 U	0.11 U	0.12 U																								
N-Nitroso-di-n-propylamine	621-64-7	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U																								
n-Nitrosodiphenylamine	86-30-6	0.34 R	0.27 UJ	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	-	-	-																								
Pentachlorophenol	87-86-5	1 R	0.81 U	0.4 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.47 U	0.38 U	0.38 U	0.39 U																								
Phenanthrene	85-01-8	0.041 U	0.046 J	0.016 U	0.016 U	0.016 U	0.017 U	0.017 U	0.12	0.019 U	0.11 U	0.11 U	0.12 U																								
Phenol	108-95-2	0.34 U	0.27 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.11 U	0.11 U	0.12 U																								
Pyrene	129-00-0	0.041 U	0.034 U	0.046	0.016 U	0.016 U	0.017 J	0.017 U	0.11	0.019 U	0.11 U	0.11 U	0.12 U																								
Volatile Organic Compounds (mg/kg)																																					
1,1,1-Trichloroethane	71-55-6	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.00095 U	0.001 U	0.00095 U																								
1,1,2,2-Tetrachloroethane	79-34-5	0.00057 UJ	-	-	-	-	-	-	-	0.00043 U	0.00095 U	0.001 U	0.00095 U																								
1,1,2-Trichloroethane	79-00-5	0.00057 UJ	-	-	-	-	-	-	-	0.00043 U	0.00095 U	0.001 U	0.00095 U																								
1,1-Dichloroethane	75-34-3	0.00057 UJ	-	-	-	-	-	-	-	0.00043 U	0.00095 U	0.001 U	0.00095 U																								
1,1-Dichloroethene	75-35-4	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.0024 U	0.0026 U	0.0024 U																								
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	-	-	-	-	-	0.00095 U	0.001 U	0.00095 U																								
1,2-Dibromoethane (EDB)	106-93-4	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.00095 U	0.001 U	0.00095 U																								
1,2-Dichloroethane	107-06-2	0.00057 UJ	-	-	-	-	-	-	-	0.00043 U	0.00095 U	0.001 U	0.00095 U																								
1,2-Dichloroethene	540-59-0	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	-	-	-																								
1,2-Dichloropropane	78-87-5	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.00095 U	0.001 U	0.00095 U																								
2-Butanone (MEK)	78-93-3	0.012 J	-	-	-	-	-	-	-	0.0017 U	0.0048 U	0.0052 U	0.0047 U																								
2-Hexanone	591-78-6	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.0048 U	0.0052 U	0.0047 U																								
4-Methyl-2-pentanone (MIBK)	108-10-1	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.0048 U	0.0052 U	0.0047 U																								
Acetone	67-64-1	0.041 J	-	-	-	-	-	-	-	0.0055 U	0.015 J	0.01 U	0.014 J																								
Benzene	71-43-2	0.0013 J	-	-	-	-	-	-	-	0.00043 U	0.00095 U	0.001 U	0.00095 U																								
Bromochloromethane	74-97-5	0.0011 UJ	-	-	-	-	-	-	-	0.00087 U	0.00095 U	0.001 U	0.00095 U																								

Table E-2: Analytical Results for Subsurface Soil at CC RVAAP-70 East Transportation Yard

Location ID:	70-4740-SB102												70-4740-SB103												70-4740-SB104											
Field Sample ID:	CAS Number	070SB-102-0065-SO	070SB-102-0066-SO	070SB-102-9066-SO	070SB-102-0067-SO	070SB-103-0069-SO	070SB-103-0070-SO	070SB-104-0072-SO	070SB-105-0073-SO	070SB-106-0074-SO	070SB-107-0076-SO	070SB-107-0077-SO	070SB-107-0078-SO	070SB-107-0079-SO	070SB-107-0080-SO	160-26618-4	160-26618-5	160-26618-6	160-26618-7	160-26663-2	160-26663-3	160-26639-1	160-26639-2	160-26639-3	160-26639-5	160-26639-6	160-26639-7	160-26639-8	160-26639-9							
Lab Sample ID:		2/2/2018	2/2/2018	2/2/2018	2/2/2018	2/6/2018	2/6/2018	2/6/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018	2/5/2018					
Sample Depth:		2-4	4-6	4-6	6-8	2-4	4-7	2-4	6-7	6-7	1-3	3-5	5-7	7-9	9-10																					
Sample Type:		REG	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG																
Hexachlorobutadiene	87-68-3	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
Hexachlorocyclopentadiene	77-47-4	0.77 U	0.77 U	0.77 U	0.77 U	-	-	-	-	-	0.77 U	0.76 U	0.73 U	0.74 U	0.74 U																					
Hexachloroethane	67-72-1	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
Indeno(1,2,3-cd)pyrene	193-39-5	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
Isophorone	78-59-1	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
N,N-Diphenylamine	122-39-4	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
Naphthalene	91-20-3	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
Nitrobenzene	98-95-3	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
N-Nitroso-di-n-propylamine	621-64-7	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U										
n-Nitrosodiphenylamine	86-30-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Pentachlorophenol	87-86-5	0.39 U	0.39 U	0.38 U	0.38 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Phenanthrene	85-01-8	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Phenol	108-95-2	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Pyrene	129-00-0	0.12 U	0.12 U	0.12 U	0.11 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Volatile Organic Compounds (mg/kg)																																				
1,1,1-Trichloroethane	71-55-6	0.00092 U	0.00099 U	0.0011 U	0.0011 U	0.00085 U	0.00075 U	0.001 U	0.043 U	0.00083 U	0.00097 U	0.00085 U	0.00087 U	0.00088 U	0.0011 U																					
1,1,2,2-Tetrachloroethane	79-34-5	0.00092 U	0.00099 U	0.0011 U	0.0011 U	0.00085 U	0.00085 U	0.00075 U	0.001 U	0.043 U	0.00083 U	0.00097 U	0.00085 U	0.00087 U	0.00088 U	0.0011 U																				
1,1,2-Trichloroethane	79-00-5	0.00092 U	0.00099 U	0.0011 U	0.0011 U	0.00085 U	0.00085 U	0.00075 U	0.001 U	0.043 U	0.00083 U	0.00097 U	0.00085 U	0.00087 U	0.00088 U	0.0011 U				</td																

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