M00263.AR.000507
MCRD PARRIS ISLAND
5090.3a

ANALYTICAL RESULTS FROM 19 SEPTEMBER 2007 SOIL SAMPLING FOR VOLATILE ORGANIC COMPOUNDS, POLYCYCLIC AROMATIC HYDROCARBONS AND PESTICIDES AT SITE 27 MCRD PARRIS ISLAND SC

10/2/2007

KATAHDIN ANALYTICAL SERVICES

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date:
Analysis Date: 21-SEP-2007 20:07
Report Date: 10/02/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11
Client ID: PAI-27-SS03-01
SDG: CTO39-1
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG43652
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	6	1.0	5	6	1.0
74-87-3	Chloromethane	U	6	1.0	5	6	2
75-01-4	Vinyl chloride	U	6	1.0	5	6	2
74-83-9	Bromomethane	U	6	1.0	5	6	2
75-00-3	Chloroethane	U	6	1.0	5	6	2
75-69-4	Trichlorofluoromethane	U	6	1.0	5	6	1
75-35-4	1,1-Dichloroethene	U	6	1.0	5	6	1
76-13-1	Freon-113	U	6	1.0	5	6	2
67-64-1	Acetone	U	28	1.0	25	28	9
75-15-0	Carbon Disulfide	U	6	1.0	5	6	2
79-20-9	Methyl Acetate	U	6	1.0	5	6	2
75-09-2	Methylene Chloride	JB	2	1.0	25	28	2
156-60-5	trans-1,2-Dichloroethene	U	6	1.0	5	6	1
1634-04-4	Methyl tert-butyl ether	U	6	1.0	5	6	2
75-34-3	1,1-Dichloroethane	U	6	1.0	5	6	2
156-59-2	cis-1,2-Dichloroethene	U	6	1.0	5	6	1
540-59-0	1,2-Dichloroethylene (total)	U	11	1.0	10	11	1
78-93-3	2-Butanone	U	28	1.0	25	28	5
67-66-3	Chloroform	U	6	1.0	5	6	1
71-55-6	1,1,1-Trichloroethane	U	6	1.0	5	6	1
1735-17-7	Cyclohexane	U	6	1.0	5	6	1
56-23-5	Carbon Tetrachloride	U	6	1.0	5	6	1
71-43-2	Benzene	U	6	1.0	5	6	2
107-06-2	1,2-Dichloroethane	U	6	1.0	5	6	2
79-01-6	Trichloroethene	U	6	1.0	5	6	2
108-87-2	Methylcyclohexane	U	6	1.0	5	6	1
78-87-5	1,2-Dichloropropane	U	6	1.0	5	6	1
75-27-4	Bromodichloromethane	U	6	1.0	5	6	1
10061-01-5	cis-1,3-dichloropropene	U	6	1.0	5	6	1
108-10-1	4-methyl-2-pentanone	U	28	1.0	25	28	7
108-88-3	Toluene	U	6	1.0	5	6	2
10061-02-6	trans-1,3-Dichloropropene	U	6	1.0	5	6	1
79-00-5	1,1,2-Trichloroethane	U	6	1.0	5	6	1
127-18-4	Tetrachloroethene	U	6	1.0	5	6	2
591-78-6	2-Hexanone	U	28	1.0	25	28	5
124-48-1	Dibromochloromethane	U	6	1.0	5	6	1.0
106-93-4	1,2-Dibromoethane	U	6	1.0	5	6	0.9
108-90-7	Chlorobenzene	U	6	1.0	5	6	0.9
100-41-4	Ethylbenzene	U	6	1.0	5	6	1
	m+p-Xylenes	U	11	1.0	10	11	3
95-47-6	o-Xylene	U	6	1.0	5	6	2
1330-20-7	Xylenes (total)	U	17	1.0	15	17	2
100-42-5	Styrene	U	6	1.0	5	6	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date:
Analysis Date: 21-SEP-2007 20:07
Report Date: 10/02/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11
Client ID: PAI-27-SS03-01
SDG: CTO39-1
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG43652
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	6	1.0	5	6	1
98-82-8	Isopropylbenzene	U	6	1.0	5	6	2
79-34-5	1,1,2,2-Tetrachloroethane	U	6	1.0	5	6	1.0
541-73-1	1,3-Dichlorobenzene	U	6	1.0	5	6	1.0
106-46-7	1,4-Dichlorobenzene	U	6	1.0	5	6	1.0
95-50-1	1,2-Dichlorobenzene	U	6	1.0	5	6	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	6	1.0	5	6	1
120-82-1	1,2,4-Trichlorobenzene	U	6	1.0	5	6	2
1868-53-7	Dibromofluoromethane		77%				
17060-07-0	1,2-Dichloroethane-D4		74%				
2037-26-5	Toluene-D8		76%				
460-00-4	P-Bromofluorobenzene		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date: 09/26/07
Analysis Date: 17-OCT-2007 20:36
Report Date: 10/18/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11RA
Client ID: PAI-27-SS03-01
SDG: CTO39-1
Extracted by: KM
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG43806
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	370	1.0	330	370	200
108-95-2	Phenol	U	370	1.0	330	370	300
111-44-4	Bis(2-Chloroethyl)ether	U	370	1.0	330	370	190
95-57-8	2-Chlorophenol	U	370	1.0	330	370	280
95-48-7	2-Methylphenol	U	370	1.0	330	370	290
108-60-1	2,2'-Oxybis(1-chloropropane)	U	370	1.0	330	370	130
98-86-2	Acetophenone	U	370	1.0	330	370	300
621-64-7	N-Nitroso-di-n-propylamine	U	370	1.0	330	370	150
106-44-5	3&4-Methylphenol	U	370	1.0	330	370	320
67-72-1	Hexachloroethane	U	370	1.0	330	370	160
98-95-3	Nitrobenzene	U	370	1.0	330	370	140
78-59-1	Isophorone	U	370	1.0	330	370	160
88-75-5	2-Nitrophenol	U	370	1.0	330	370	250
105-67-9	2,4-Dimethylphenol	U	370	1.0	330	370	280
111-91-1	Bis(2-Chloroethoxy)methane	U	370	1.0	330	370	130
120-83-2	2,4-Dichlorophenol	U	370	1.0	330	370	320
91-20-3	Naphthalene	U	370	1.0	330	370	140
106-47-8	4-Chloroaniline	U	370	1.0	330	370	110
87-68-3	Hexachlorobutadiene	U	370	1.0	330	370	140
105-60-2	Caprolactam	U	370	1.0	330	370	230
59-50-7	4-Chloro-3-Methylphenol	U	370	1.0	330	370	300
91-57-6	2-Methylnaphthalene	U	370	1.0	330	370	160
77-47-4	Hexachlorocyclopentadiene	U	370	1.0	330	370	180
88-06-2	2,4,6-Trichlorophenol	U	370	1.0	330	370	260
95-95-4	2,4,5-Trichlorophenol	U	920	1.0	820	920	340
91-58-7	2-Chloronaphthalene	U	370	1.0	330	370	210
92-52-4	1,1'-Biphenyl	U	370	1.0	330	370	170
88-74-4	2-Nitroaniline	U	920	1.0	820	920	250
131-11-3	Dimethyl Phthalate	U	370	1.0	330	370	160
606-20-2	2,6-Dinitrotoluene	U	370	1.0	330	370	240
208-96-8	Acenaphthylene	U	370	1.0	330	370	140
99-09-2	3-Nitroaniline	U	920	1.0	820	920	280
83-32-9	Acenaphthene	U	370	1.0	330	370	170
51-28-5	2,4-Dinitrophenol	U	920	1.0	820	920	730
132-64-9	Dibenzofuran	U	370	1.0	330	370	190
100-02-7	4-Nitrophenol	U	920	1.0	820	920	720
121-14-2	2,4-Dinitrotoluene	U	370	1.0	330	370	280
84-66-2	Diethylphthalate	U	370	1.0	330	370	160
86-73-7	Fluorene	U	370	1.0	330	370	170
7005-72-3	4-Chlorophenyl-phenylether	U	370	1.0	330	370	150
100-01-6	4-Nitroaniline	U	920	1.0	820	920	280
534-52-1	4,6-Dinitro-2-Methylphenol	U	920	1.0	820	920	660
86-30-6	N-Nitrosodiphenylamine	U	370	1.0	330	370	290

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date: 09/26/07
Analysis Date: 17-OCT-2007 20:36
Report Date: 10/18/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11RA
Client ID: PAI-27-SS03-01
SDG: CTO39-1
Extracted by: KM
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG43806
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	370	1.0	330	370	170
118-74-1	Hexachlorobenzene	U	370	1.0	330	370	150
1912-24-9	Atrazine	U	370	1.0	330	370	200
87-86-5	Pentachlorophenol	U	920	1.0	820	920	480
85-01-8	Phenanthrene	U	370	1.0	330	370	140
120-12-7	Anthracene	U	370	1.0	330	370	140
86-74-8	Carbazole	U	370	1.0	330	370	230
84-74-2	Di-n-butylphthalate	U	370	1.0	330	370	210
206-44-0	Fluoranthene	U	370	1.0	330	370	170
129-00-0	Pyrene	U	370	1.0	330	370	220
85-68-7	Butylbenzylphthalate	U	370	1.0	330	370	180
56-55-3	Benzo(a)anthracene	U	370	1.0	330	370	170
91-94-1	3,3'-Dichlorobenzidine	U	370	1.0	330	370	250
218-01-9	Chrysene	U	370	1.0	330	370	140
117-81-7	bis(2-Ethylhexyl)phthalate	U	370	1.0	330	370	240
117-84-0	Di-n-octylphthalate	U	370	1.0	330	370	280
205-99-2	Benzo(b)fluoranthene	U	370	1.0	330	370	170
207-08-9	Benzo(k)fluoranthene	U	370	1.0	330	370	220
50-32-8	Benzo(a)pyrene	U	370	1.0	330	370	150
193-39-5	Indeno(1,2,3-cd)pyrene	U	370	1.0	330	370	300
53-70-3	Dibenzo(a,h)anthracene	U	370	1.0	330	370	250
191-24-2	Benzo(g,h,i)perylene	U	370	1.0	330	370	230
367-12-4	2-Fluorophenol		92%				
13127-88-3	Phenol-D6		91%				
4165-60-0	Nitrobenzene-D5		92%				
321-60-8	2-Fluorobiphenyl		96%				
118-79-6	2,4,6-Tribromophenol		94%				
1718-51-0	Terphenyl-D14		121%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date: 09/26/07
Analysis Date: 04-OCT-2007 14:53
Report Date: 10/05/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11RA
Client ID: PAI-27-SS03-01
SDG: CT039-1
Extracted by: KM
Extraction Method: SW846 3550
Analyst: SJC
Analysis Method: SW846 8082
Lab Prep Batch: WG43785
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	19	1.0	17	19	18
11104-28-2	Aroclor-1221	U	19	1.0	17	19	13
11141-16-5	Aroclor-1232	U	19	1.0	17	19	5.9
53469-21-9	Aroclor-1242	U	19	1.0	17	19	7.5
12672-29-6	Aroclor-1248	U	19	1.0	17	19	6.4
11097-69-1	Aroclor-1254	U	19	1.0	17	19	14
11096-82-5	Aroclor-1260	U	19	1.0	17	19	16
877-09-8	Tetrachloro-m-xylene		103%				
2051-24-3	Decachlorobiphenyl		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 039 MCRD Parris Island
PO No:
Sample Date: 09/19/07
Received Date: 09/20/07
Extraction Date: 09/26/07
Analysis Date: 11-OCT-2007 02:49
Report Date: 10/11/2007
Matrix: SOIL
% Solids: 89.1

Lab ID: SA5301-11RA
Client ID: PAI-27-SS03-01
SDG: CTO39-1
Extracted by: KM
Extraction Method: SW846 3550
Analyst: SJC
Analysis Method: SW846 8081A
Lab Prep Batch: WG437B4
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
319-84-6	alpha-BHC	U	1.9	1.0	1.7	1.9	0.64
58-89-9	gamma BHC	U	1.9	1.0	1.7	1.9	0.82
319-85-7	beta-BHC	U	1.9	1.0	1.7	1.9	0.82
319-86-8	delta-BHC	U	1.9	1.0	1.7	1.9	0.52
76-44-8	Heptachlor	U	1.9	1.0	1.7	1.9	0.75
309-00-2	Aldrin	U	1.9	1.0	1.7	1.9	0.78
1024-57-3	Heptachlor Epoxide	U	1.9	1.0	1.7	1.9	1.8
5103-74-2	gamma-Chlordane	U	1.9	1.0	1.7	1.9	0.94
5103-71-9	alpha-Chlordane	U	1.9	1.0	1.7	1.9	0.97
72-55-9	4,4'-DDE	U	3.7	1.0	3.3	3.7	0.90
959-98-8	Endosulfan I	U	1.9	1.0	1.7	1.9	0.64
60-57-1	Dieldrin	U	3.7	1.0	3.3	3.7	0.86
72-20-8	Endrin	U	3.7	1.0	3.3	3.7	1.5
72-54-8	4,4'-DDD	U	3.7	1.0	3.3	3.7	1.3
33213-65-9	Endosulfan II	U	3.7	1.0	3.3	3.7	0.67
50-29-3	4,4'-DDT	U	3.7	1.0	3.3	3.7	0.94
7421-36-3	Endrin Aldehyde	U	3.7	1.0	3.3	3.7	0.78
72-43-5	Methoxychlor	U	19	1.0	17	19	4.1
1031-07-8	Endosulfan sulfate	U	3.7	1.0	3.3	3.7	1.0
53494-70-5	Endrin Ketone	U	3.7	1.0	3.3	3.7	1.1
8001-35-2	Toxaphene	U	37	1.0	33	37	14
877-09-8	Tetrachloro-m-Xylene		86%				
2051-24-3	Decachlorobiphenyl		90%				