



UNITED STATES MARINE CORPS
MARINE CORPS BASE
PSC Box 20004
Camp Lejeune, North Carolina 28542-0004

IN REPLY REFER TO:
6287
BEMD

13 AUG 2002

Mr. Bruce Reed
North Carolina Department of Environment
and Natural Resources
Division of Waste Management
UST Section,
127 Cardinal Drive Extension
Wilmington, North Carolina 28405

Dear Mr. Reed:

As requested during the February 28, 2002 Partnering Meeting, Marine Corps Base, Camp Lejeune (MCBCL), conducted additional soil sampling activities in the former underground storage tank (UST) basin area at the former Hadnot Point Fuel Farm UST site. Enclosure (1) provides a map of the area assessed. Enclosures (2) and (3) provide summary tables of field and laboratory results. Enclosure (4) provides a list of the laboratory samples with quantified detections. Enclosure (5) is a complete list of the laboratory data (including non-detects). Enclosure (6) provides the laboratory analytical data package.

Samples were collected via hand auger at one point within each grid from 0 to 14 feet or to the approximate groundwater level. One sample was obtained every two feet. The headspace of the samples was then tested using a flame ionization detector (FID) to determine the presence of organic vapors. The sample with the highest FID reading was then selected for on-site total petroleum hydrocarbon (TPH) testing. These results are summarized in enclosure (2). Additionally, 17 samples were sent to the lab for analysis via MADEP EPH, VPH, and total petroleum hydrocarbons. Lab results correlated well with field data.

Field and lab data suggest the presence of high levels of soil contamination starting at approximately six feet (below land surface). This contamination appears to increase with

depth. Additional data and consultation, however, is needed before MCBCI can proceed with a corrective action. Soil and groundwater sample results previously taken are expected in a final report from Catlin Engineers and Scientists, that is due in September. This information, in conjunction with the attached data and team discussions, will then allow us to formulate and propose a plan to deal with the existing soil contamination.

If you have questions or need further information, please contact Ms. Nikki Hall, Environmental Quality Branch, Environmental Management Division, Installations and Environment Department, at (910) 451-9610.

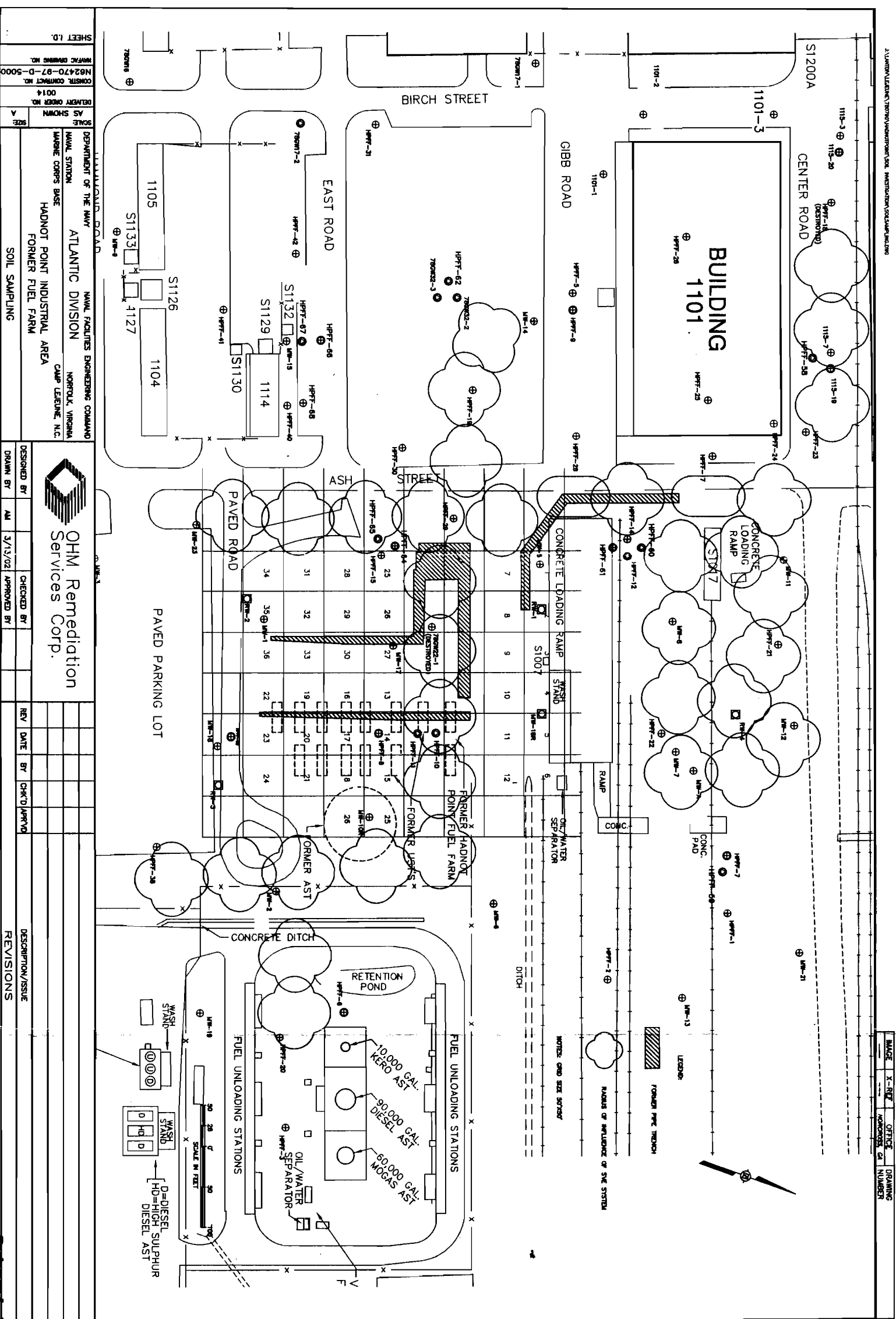
Sincerely,



SCOTT A. BREWER, P.E.
Director, Environmental Management
By direction of
the Commanding General

Enclosures: (1) Soil Sample Location Map
(2) Summary Table: Soil Sample Description and Field Results
(3) Summary Table: Soil Sample Analytical Detections (Laboratory data)
(4) Summary Table: Lab sample results, detects only
(5) Summary Table: Lab sample results, all data
(6) Laboratory Analytical Package

Copy to: (w/o encl)
NAVFACENGCOM (Ms. Reuther Code EV21LR)
Shaw E&I (Mr. Jim Dunn)
Shaw E&I (Mr. Ron Kenyon)
Catlin (Mr. Mike E. Mason)



Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
					watertable.	
8	0-2'	Dark Brown Sandy Soil	0		9'	HPFF-15
8	2'-4'	Brown Silty Sand	21		9'	HPFF-15
8	4'-6'	Brown Silty Sand	1348		9'	HPFF-15
8	6'-8	Gray Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	9'	HPFF-15
8	8'-10	Gray Silty Sand	>50,000		9'	HPFF-15
9	0-2'	Dark Brown Topsoil	0		9'	HPFF-15
9	2'-4'	Brown Silty Sand	29		9'	HPFF-15
9	4'-6'	Brown Silty Sand	375		9'	HPFF-15
9	6'-8	Gray Silty Sand	>50,000	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	9'	HPFF-15
9	8'-10	Gray Silty Sand	>50,000		9'	HPFF-15
10	0-2'	Black Sandy Soil	70		15.24'	MW-10
10	2'-4'	Brown Silty Sand/Clay	548		15.24'	MW-10R
10	4'-6'	Brown Sand/Clay Mix with some Silt	14		15.24'	MW-10R
10	6'-8	Brown/Gray Silty Sand	198		15.24'	MW-10R
10	8'-10	Brown Silty Sand	>50,000		15.24'	MW-10R
10	10'-12'	Brown/Gray Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
11	0-2'	Black Sandy Soil	73		15.24'	MW-10R
11	2'-4'	Brown Sand/Clay Silty	1629		15.24'	MW-10R
11	4'-6'	Brown Silty Sand	>50,000		15.24'	MW-10R
11	6'-8	Brown Silty Sand	>50,000		15.24'	MW-10R
11	8'-10	Gray Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
12	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
12	2'-4'	Brown Silty Sand	0		15.24'	MW-10R
12	4'-6'	Light Brown Silty Sand	176		15.24'	MW-10R
12	6'-8	Gray Silty Sand	195		15.24'	MW-10R
12	8'-10	Gray Silty Sand	26594	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
13	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
13	2'-4'	Dark Brown Sandy Soil	194		15.24'	MW-10R
13	4'-6'	Brown Silty Sand	1363		15.24'	MW-10R
13	6'-8	Reddish Brown /Gray silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
13	8'-10	Reddish Brown Silty Sand	>50,000		15.24'	MW-10R
13	10'-12'	Gray Silty Sand	>50,000		15.24'	MW-10R
13	12'-14'	Gray Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
14	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
14	2'-4'	Dark Brown Sandy Soil	29		15.24'	MW-10R
14	4'-6'	Brown Silty Sand	297		15.24'	MW-10R
14	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
14	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
14	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
14	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
15	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
15	2'-4'	Dark Brown Sandy Soil	34		15.24'	MW-10R
15	4'-6'	Brown Silty Sand	1865		15.24'	MW-10R
15	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
15	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
15	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
15	12'-14'	GrySilty Sand	>50,000	<15 ppm Diesel <10 ppm Gasoline	15.24'	MW-10R
16	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
16	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
16	4'-6'	Brown Silty Sand	0		15.24'	MW-10R
16	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	0		15.24'	MW-10R
16	8'-10'	Redish Brown Silty Sand	0		15.24'	MW-10R
16	10'-12'	GrySilty Sand	37963	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
16	12'-14'	GrySilty Sand	24860		15.24'	MW-10R
17	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
17	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
17	4'-6'	Brown Silty Sand	12852		15.24'	MW-10R
17	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
17	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
17	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
17	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
18	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
18	2'-4'	Dark Brown Sandy Soil	357		15.24'	MW-10R
18	4'-6'	Brown Silty Sand	35620		15.24'	MW-10R
18	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
18	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
18	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
18	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
19	0-2'	Dark Brown Topsoil	3		15.24'	MW-10R
19	2'-4'	Dark Brown Sandy Soil	320		15.24'	MW-10R

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
19	4'-6'	Brown Silty Sand	480		15.24'	MW-10R
19	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
19	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
19	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
19	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
20	0-2'	Dark Brown Topsoil	16		15.24'	MW-10R
20	2'-4'	Dark Brown Sandy Soil	626		15.24'	MW-10R
20	4'-6'	Brown Silty Sand	17429		15.24'	MW-10R
20	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
20	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
20	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
20	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
21	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
21	2'-4'	Dark Brown Sandy Soil	5		15.24'	MW-10R
21	4'-6'	Brown Silty Sand	18		15.24'	MW-10R
21	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	452		15.24'	MW-10R
21	8'-10'	Redish Brown Silty Sand	1962		15.24'	MW-10R
21	10'-12'	GrySilty Sand	32621		15.24'	MW-10R
21	12'-14'	GrySilty Sand	36497	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
22	0-2'	Dark Brown Topsoil	3		15.24'	MW-10R
22	2'-4'	Dark Brown Sandy Soil	446		15.24'	MW-10R
22	4'-6'	Brown Silty Sand	8972	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
23	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
23	2'-4'	Dark Brown Sandy Soil	56		15.24'	MW-10R
23	4'-6'	Brown Silty Sand	783		15.24'	MW-10R
23	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
23	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
23	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
23	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
24	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
24	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
24	4'-6'	Brown Silty Sand	0		15.24'	MW-10R
24	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	0		15.24'	MW-10R
24	8'-10'	Redish Brown Silty Sand	0		15.24'	MW-10R
24	10'-12'	GrySilty Sand	264	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	15.24'	MW-10R
24	12'-14'	GrySilty Sand	64		15.24'	MW-10R
25	0-2'	Dark Brown Topsoil	9		9'	HPFF-15
25	2'-4'	Dark Brown Sandy Soil	32		9'	HPFF-15
25	4'-6'	Brown Silty Sand	1158		9'	HPFF-15
25	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000	>150 ppm Diesel >100 ppm Gasoline	9'	HPFF-15
26	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
26	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
26	4'-6'	Brown Silty Sand	0		15.24'	MW-10R
26	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	53		15.24'	MW-10R
26	8'-10'	Redish Brown Silty Sand	4831		15.24'	MW-10R
26	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
26	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
27	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
27	2'-4'	Dark Brown Sandy Soil	2		15.24'	MW-10R
27	4'-6'	Brown Silty Sand	247		15.24'	MW-10R
27	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	66		15.24'	MW-10R
27	8'-10'	Redish Brown Silty Sand	1146		15.24'	MW-10R
27	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
27	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
28	0-2'	Dark Brown Topsoil	0		9'	HPFF-15
28	2'-4'	Dark Brown Sandy Soil	253		9'	HPFF-15
28	4'-6'	Brown Silty Sand	87		9'	HPFF-15
28	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	36921	>150 ppm Diesel >100 ppm Gasoline	9'	HPFF-15

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
29	0-2'	Dark Brown Topsoil	2.6		15.24'	MW-10R
29	2'-4'	Dark Brown Sandy Soil	162		15.24'	MW-10R
29	4'-6'	Brown Silty Sand	157		15.24'	MW-10R
29	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	220		15.24'	MW-10R
29	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
29	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
29	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
30	0-2'	Dark Brown Topsoil			15.24'	MW-10R
30	2'-4'	Dark Brown Sandy Soil			15.24'	MW-10R
30	4'-6'	Brown Silty Sand			15.24'	MW-10R
30	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
30	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
30	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
30	12'-14'	GrySilty Sand	>50,000	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	15.24'	MW-10R
31	0-2'	Dark Brown Topsoil	1		9'	HPFF-15
31	2'-4'	Dark Brown Sandy Soil	287		9'	HPFF-15
31	4'-6'	Brown Silty Sand	33649		9'	HPFF-15
31	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000	>150 ppm Diesel >100 ppm Gasoline	9'	HPFF-15
32	0-2'	Dark Brown Topsoil	2.4		15.24'	MW-10R
32	2'-4'	Dark Brown Sandy Soil	25		15.24'	MW-10R
32	4'-6'	Brown Silty Sand	65		15.24'	MW-10R
32	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	238		15.24'	MW-10R
32	8'-10'	Redish Brown Silty Sand	90		15.24'	MW-10R
32	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
32	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
33	0-2'	Dark Brown Topsoil			15.24'	MW-10R
33	2'-4'	Dark Brown Sandy Soil			15.24'	MW-10R
33	4'-6'	Brown Silty Sand			15.24'	MW-10R
33	6'-8'	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
33	8'-10'	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
33	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
33	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
34	0-2'	Dark Brown Topsoil	0		9'	HPFF-15
34	2'-4'	Dark Brown Sandy Soil	67		9'	HPFF-15
34	4'-6'	Brown Silty Sand	731		9'	HPFF-15
34	6'-8	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000	>150 ppm Diesel >100 ppm Gasoline	9'	HPFF-15
35	0-2'	Dark Brown Topsoil	11		15.24'	MW-10R
35	2'-4'	Dark Brown Sandy Soil	132		15.24'	MW-10R
35	4'-6'	Brown Silty Sand	1142		15.24'	MW-10R
35	6'-8	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	>50,000		15.24'	MW-10R
35	8'-10	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
35	10'-12'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
35	12'-14'	GrySilty Sand	>50,000		15.24'	MW-10R
36	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
36	2'-4'	Dark Brown Sandy Soil	159		15.24'	MW-10R
36	4'-6'	Brown Silty Sand	42		15.24'	MW-10R
36	6'-8	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	211		15.24'	MW-10R
36	8'-10	Redish Brown Silty Sand	>50,000		15.24'	MW-10R
36	10'-12'	GrySilty Sand	>50,000		15.24'	MW-10R
36	12'-14'	GrySilty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
37	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
37	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
37	4'-6'	Brown Silty Sand	0		15.24'	MW-10R
37	6'-8	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	52		15.24'	MW-10R
37	8'-10	Redish Brown Silty Sand	7		15.24'	MW-10R
37	10'-12'	GrySilty Sand	28389		15.24'	MW-10R
37	12'-14'	GrySilty Sand	47863	>150 ppm Diesel >100 ppm Gasoline	15.24'	MW-10R
38	0-2'	Dark Brown Topsoil	0		15.24'	MW-10R
38	2'-4'	Dark Brown Sandy Soil	0		15.24'	MW-10R
38	4'-6'	Brown Silty Sand	0		15.24'	MW-10R
38	6'-8	Reddish Brown /Gry silty Sand (Vines of Reddish Brown Sand)	110		15.24'	MW-10R
38	8'-10	Redish Brown Silty Sand	1267		15.24'	MW-10R
38	10'-12'	GrySilty Sand	13486		15.24'	MW-10R
38	12'-14'	GrySilty Sand	>50,000	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	15.24'	MW-10R

All Sand Was Very Fine

Grid #	Sample Depth	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	Ground Water Depth	MW used
1	0-2'	Brown Sandy Topsoil with Rocks	0		7.3'	MW-5
1	2'-4'	Brown Sandy Soil with Rocks	0		7.3'	MW-5
1	4'-6'	Gry Sandy Silty Clay	36		7.3'	MW-5
1	6'-8'	7' Gry Silty Clay/Sand	286	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	7.3'	MW-5
2	0-2'	Brown Sandy Topsoil with Rocks	0		7.3'	MW-5
2	2'-4'	Brown Sandy Soil with Rocks	0		7.3'	MW-5
2	4'-6'	Gry Sandy Silty Clay	241		7.3'	MW-5
2	6'-7'	7' Gry Silty Clay/Sand	15639	>150 ppm Diesel >100 ppm Gasoline	7.3'	MW-5
3	0-2'	Brown Sandy Topsoil	0		7.3'	MW-5
3	2'-4'	Brown Sandy Soil with Rocks	0		7.3'	MW-5
3	4'-6'	Gry Silty Sand/Clay	27		7.3'	MW-5
3	6'-8'	7' Gry Silty Sand	936	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	7.3'	MW-5
4	0-2'	Brown Sandy Soil	0		7.3'	MW-5
4	2'-4'	Brown Clay @ 3' Silty Sand	0		7.3'	MW-5
4	4'-6'	Gry Silty Sand/Clay	>50,000		7.3'	MW-5
4	6'-8'	7' Brown Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	7.3'	MW-5
5	0-2'	Brown Sandy Soil	0		7.3'	MW-5
5	2'-4'	Brown Silty Sand	>50,000		7.3'	MW-5
5	4'-6'	Gry Silty Sand/Clay	>50,000		7.3'	MW-5
5	6'-8'	7' Brown Silty Sand	>50,000	>150 ppm Diesel >100 ppm Gasoline	7.3'	MW-5
6	0-2'	Rift Raft From RR	0		Augered to the water level, then took the sample that was collected above the watertable.	
6	2'-4'	Brn Silty Sand	0			
6	4'-6'	Brown Silty Sand	208			
6	6'-8'	Gry Silty Sand	1179			
6	8'-10'	Gry Silty Sand	31041	>150 ppm Diesel >100 ppm Gasoline		
7	0-2'	Brown Mud Saturated, Low area surface water Collects	0		Augered to the water level, then took the sample that was collected above the	
7	2'-4'	Brown Wet Sand and Clay	0			
7	4'-6'	Brown Wet Sand and Clay	289			
7	6'-8'	Dark Gry Wet Sand/Clay odor	>50,000	>150 ppm Diesel >100 ppm Gasoline		

Grid #	Sample Depth	Corresponding Sample Number	Description of Soil	FID Reading (ppm)	On-Site TPH Kit Results	MADEP VPH	ug/kg	MADEP EPH	ug/kg	DRO mg/kg	GRO mg/kg
4	4' - 6'	F13857-16	Gray Silty Sand	> 50,000	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	9590000 9520000 5450000 8460000 4070000	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	1560000 3610000 1360000 2780000	11200	18000
5	4' - 6'	F13857-17	Gray Silty Sand	> 50,000	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	6390000 6210000 3740000 5820000 1120000	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	481000 1200000 392000 ND	3610	15600
5DUP	4' - 6'	F13857-18	Gray Silty Sand	> 50,000	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	2080000 2770000 1860000 1870000 547000 J	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	307000 635000 243000 ND	3240	12600
9	4' - 6'	F13857-15	Brown Silty Sand	32	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	33.8	ND
12	4' - 6'	F13857-14	Light Brown Silty Sand	55	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	1870 J 1190 J ND 364 J	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
14	4' - 6'	F13857-10	Brown Silty Sand	10	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND 9720 7890 ND 1830 J	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	14.2	ND
16	6' - 8'	F13857-8	Brown Silty Sand	37	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
18	4' - 6'	F13857-12	Dark Brown Silty Sand	41	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	4820 5090 2360 2490 J ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	14.5	19.4
20	4' - 6'	F13857-11	Dark Brown Silty Sand	2004	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	223000 977000 838000 223000 139000	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	138000 620000 135000 ND	1010	964

Grid #	Sample Depth	Corresponding Sample Number	Description of Soil	FID Reading (ppm)	On-Site TPH K&K Results	MADEP VPH	ug/kg	MADEP EPH	ug/kg	DRO mg/kg	GRO mg/kg
22	4' - 6'	F13857-9	Brown Silty Sand	785	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	4560 5930 3040 4040 1950 J	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	10.1	4.27 J
24	6' - 8'	F13857-13	Light Brown Silty Sand	150	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
25	4' - 6'	F13857-1	Dark Brown Silty Sand	95	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	2610 J 9720 4670 2360 J 4450	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND 74200 ND ND	205	7.98
26	8' - 10'	F13857-4	Brown With Streaks of Reddish Brown Silty Sand	27	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
28	6' - 8'	F13857-2	Brown With Streaks of Reddish Brown Silty Sand	2196	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	242000 497000 355000 233000 90600	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	39800 71000 34000 ND	136	825
30	6' - 8'	F13857-6	Brown With Streaks of Reddish Brown Silty Sand	110	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
33	4' - 6'	F13857-7	Brown Silty Sand	2247	> 150 ppm Diesel > 100 ppm Gas	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	23400 44400 24800 21900 19600	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	25600 39900 23100 ND	67.4	205
34	4' - 6'	F13857-3	Dark Brown Sandy Clay with Silt	117	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND
35	4' - 6'	F13857-5	Brown Silty Sand	43	>15 - <150 ppm Diesel >10 - <100 ppm Gasoline	C5- C8 Aliphatics (Unadj.) C9- C12 Aliphatics (Unadj.) C9- C10 Aromatics (Unadj.) C5- C8 Aliphatics C9- C12 Aliphatics	ND ND ND ND ND	C11-C22 Aromatics (Unadj.) C9-C18 Aliphatics C11-C22 Aromatics C19-C36 Aliphatics	ND ND ND ND	ND	ND

C* (Data Qualifiers):
J Numerical value is an estimate between laboratory reporting limit and laboratory method detection limit

LabLink Analytical Data Report - Hits/J-Values Only
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-1	C9-C18 Aliphatics		MADEP-EPH-98-1	74200		ug/kg	11000	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	TPH (C10-C28)		SW846 8015 M	205		mg/kg	92	10	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	TPH-GRO (C6-C10)		SW846 8015	7.98		mg/kg	4.8	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzene	71-43-2	MADEP VPH	121	J	ug/kg	240	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Naphthalene	91-20-3	MADEP VPH	166	J	ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	m,p-Xylene		MADEP VPH	264	J	ug/kg	950	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	o-Xylene	95-47-6	MADEP VPH	340	J	ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C5- C8 Aliphatics (Unadj.)		MADEP VPH	2610	J	ug/kg	3600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9720		ug/kg	2600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C10 Aromatics (Unadj.)		MADEP VPH	4670		ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C5- C8 Aliphatics		MADEP VPH	2360	J	ug/kg	3600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C12 Aliphatics		MADEP VPH	4450		ug/kg	2600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-2	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	3100		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Naphthalene	91-20-3	MADEP-EPH-98-1	2720		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	39800		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9-C18 Aliphatics		MADEP-EPH-98-1	71000		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C11-C22 Aromatics		MADEP-EPH-98-1	34000		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	TPH (C10-C28)		SW846 8015 M	136		mg/kg	20	2	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	TPH-GRO (C6-C10)		SW846 8015	825		mg/kg	220	10	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Ethylbenzene	100-41-4	MADEP VPH	6590		ug/kg	5400	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Naphthalene	91-20-3	MADEP VPH	11300		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Toluene	108-88-3	MADEP VPH	8780	J	ug/kg	16000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	m,p-Xylene		MADEP VPH	28700		ug/kg	22000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	o-Xylene	95-47-6	MADEP VPH	16200		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C5- C8 Aliphatics (Unadj.)		MADEP VPH	242000		ug/kg	81000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9- C12 Aliphatics (Unadj.)		MADEP VPH	497000		ug/kg	59000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9- C10 Aromatics (Unadj.)		MADEP VPH	355000		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C5- C8 Aliphatics		MADEP VPH	233000		ug/kg	81000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9- C12 Aliphatics		MADEP VPH	90600		ug/kg	59000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-5	Toluene	108-88-3	MADEP VPH	220	J	ug/kg	760	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-7	Fluoranthene	206-44-0	MADEP-EPH-98-1	1170		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Naphthalene	91-20-3	MADEP-EPH-98-1	516		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Phenanthrene	85-01-8	MADEP-EPH-98-1	799		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	25600		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9-C18 Aliphatics		MADEP-EPH-98-1	39900		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C11-C22 Aromatics		MADEP-EPH-98-1	23100		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	TPH (C10-C28)		SW846 8015 M	67.4		mg/kg	18	2	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	TPH-GRO (C6-C10)		SW846 8015	205		mg/kg	28	250	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzene	71-43-2	MADEP VPH	515		ug/kg	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Ethylbenzene	100-41-4	MADEP VPH	786		ug/kg	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Naphthalene	91-20-3	MADEP VPH	1910		ug/kg	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Toluene	108-88-3	MADEP VPH	1030		ug/kg	730	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	m,p-Xylene		MADEP VPH	2450		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	o-Xylene	95-47-6	MADEP VPH	661		ug/kg	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Xylenes (total)	1330-20-7	MADEP VPH	3110		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C5- C8 Aliphatics (Unadj.)		MADEP VPH	23400		ug/kg	3600	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C12 Aliphatics (Unadj.)		MADEP VPH	44400		ug/kg	2700	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C10 Aromatics (Unadj.)		MADEP VPH	24800		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Total VPH (Unadjusted)		MADEP VPH	94600		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00

Enclosure (4) P4

LabLink Analytical Data Report - Hits/J-Values Only
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-7	C5- C8 Aliphatics		MADEP VPH	21900		ug/kg	3600	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C12 Aliphatics		MADEP VPH	19600		ug/kg	2700	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Total VPH		MADEP VPH	62400		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-8	Toluene	108-88-3	MADEP VPH	214	J	ug/kg	750	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	m,p-Xylene		MADEP VPH	225	J	ug/kg	1000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-9	TPH (C10-C28)		SW846 8015 M	10.1		mg/kg	9.2	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	TPH-GRO (C6-C10)		SW846 8015	4.27	J	mg/kg	5.3	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzene	71-43-2	MADEP VPH	209	J	ug/kg	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Ethylbenzene	100-41-4	MADEP VPH	202	J	ug/kg	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Naphthalene	91-20-3	MADEP VPH	642		ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Toluene	108-88-3	MADEP VPH	306	J	ug/kg	800	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	m,p-Xylene		MADEP VPH	498	J	ug/kg	1100	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	o-Xylene	95-47-6	MADEP VPH	228	J	ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C5- C8 Aliphatics (Unadj.)		MADEP VPH	4560		ug/kg	4000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C12 Aliphatics (Unadj.)		MADEP VPH	5930		ug/kg	2900	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C10 Aromatics (Unadj.)		MADEP VPH	3040		ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C5- C8 Aliphatics		MADEP VPH	4040		ug/kg	4000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C12 Aliphatics		MADEP VPH	1950	J	ug/kg	2900	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-10	TPH (C10-C28)		SW846 8015 M	14.2		mg/kg	9	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Toluene	108-88-3	MADEP VPH	345	J	ug/kg	730	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9720		ug/kg	2700	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C10 Aromatics (Unadj.)		MADEP VPH	7890		ug/kg	490	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C12 Aliphatics		MADEP VPH	1830	J	ug/kg	2700	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-11	Naphthalene	91-20-3	MADEP-EPH-98-1	3440		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	138000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9-C18 Aliphatics		MADEP-EPH-98-1	620000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C11-C22 Aromatics		MADEP-EPH-98-1	135000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	TPH (C10-C28)		SW846 8015 M	1010		mg/kg	260	25	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	TPH-GRO (C6-C10)		SW846 8015	964		mg/kg	110	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Naphthalene	91-20-3	MADEP VPH	5800	J	ug/kg	5900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	m,p-Xylene		MADEP VPH	8080	J	ug/kg	12000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	o-Xylene	95-47-6	MADEP VPH	9890		ug/kg	5900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C5- C8 Aliphatics (Unadj.)		MADEP VPH	223000		ug/kg	45000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C12 Aliphatics (Unadj.)		MADEP VPH	977000		ug/kg	33000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C10 Aromatics (Unadj.)		MADEP VPH	838000		ug/kg	24000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C5- C8 Aliphatics		MADEP VPH	223000		ug/kg	45000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C12 Aliphatics		MADEP VPH	139000		ug/kg	33000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-12	TPH (C10-C28)		SW846 8015 M	14.5		mg/kg	9.2	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	TPH-GRO (C6-C10)		SW846 8015	19.4		mg/kg	5.1	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzene	71-43-2	MADEP VPH	575		ug/kg	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Ethylbenzene	100-41-4	MADEP VPH	378		ug/kg	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Toluene	108-88-3	MADEP VPH	1850		ug/kg	720	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	m,p-Xylene		MADEP VPH	2000		ug/kg	960	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	o-Xylene	95-47-6	MADEP VPH	680		ug/kg	480	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C5- C8 Aliphatics (Unadj.)		MADEP VPH	4920		ug/kg	3600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9- C12 Aliphatics (Unadj.)		MADEP VPH	5090		ug/kg	2600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9- C10 Aromatics (Unadj.)		MADEP VPH	2360		ug/kg	480	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C5- C8 Aliphatics		MADEP VPH	2490	J	ug/kg	3600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-14	Toluene	108-88-3	MADEP VPH	459	J	ug/kg	830	1	CLJ-72-S-12-4,6	15-Jul-02	16:30

LabLink Analytical Data Report - Hits/J-Values Only
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-14	m,p-Xylene		MADEP VPH	315	J	ug/kg	1100	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C12 Aliphatics (Unadj.)		MADEP VPH	1870	J	ug/kg	3000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C10 Aromatics (Unadj.)		MADEP VPH	1190		ug/kg	550	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C12 Aliphatics		MADEP VPH	364	J	ug/kg	3000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-15	TPH (C10-C28)		SW846 8015 M	33.8		mg/kg	9.4	1	CLJ-72-S-8-4,6	15-Jul-02	17:00
F13857-16	Acenaphthene	83-32-9	MADEP-EPH-98-1	5300		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	106000		ug/kg	2300	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Naphthalene	91-20-3	MADEP-EPH-98-1	82500		ug/kg	2300	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Phenanthrene	85-01-8	MADEP-EPH-98-1	4760		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	1560000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9-C18 Aliphatics		MADEP-EPH-98-1	3610000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C11-C22 Aromatics		MADEP-EPH-98-1	1360000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C19-C36 Aliphatics		MADEP-EPH-98-1	278000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	TPH (C10-C28)		SW846 8015 M	11200		mg/kg	3800	400	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	TPH-GRO (C6-C10)		SW846 8015	18000		mg/kg	2100	100	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzene	71-43-2	MADEP VPH	155000		ug/kg	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Ethylbenzene	100-41-4	MADEP VPH	366000		ug/kg	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Naphthalene	91-20-3	MADEP VPH	211000		ug/kg	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Toluene	108-88-3	MADEP VPH	980000		ug/kg	170000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	m,p-Xylene		MADEP VPH	1220000		ug/kg	230000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	o-Xylene	95-47-6	MADEP VPH	510000		ug/kg	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C5- C8 Aliphatics (Unadj.)		MADEP VPH	9590000		ug/kg	850000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9520000		ug/kg	630000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9- C10 Aromatics (Unadj.)		MADEP VPH	5450000		ug/kg	230000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C5- C8 Aliphatics		MADEP VPH	8460000		ug/kg	850000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9- C12 Aliphatics		MADEP VPH	4070000		ug/kg	630000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-17	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	44200		ug/kg	2300	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Naphthalene	91-20-3	MADEP-EPH-98-1	45000		ug/kg	2300	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	481000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9-C18 Aliphatics		MADEP-EPH-98-1	1200000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C11-C22 Aromatics		MADEP-EPH-98-1	392000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	TPH (C10-C28)		SW846 8015 M	3610		mg/kg	940	100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	TPH-GRO (C6-C10)		SW846 8015	15600		mg/kg	2200	100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzene	71-43-2	MADEP VPH	81100		ug/kg	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Ethylbenzene	100-41-4	MADEP VPH	245000		ug/kg	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Naphthalene	91-20-3	MADEP VPH	117000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Toluene	108-88-3	MADEP VPH	694000		ug/kg	160000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	m,p-Xylene		MADEP VPH	777000		ug/kg	210000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	o-Xylene	95-47-6	MADEP VPH	333000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C5- C8 Aliphatics (Unadj.)		MADEP VPH	6390000		ug/kg	780000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C12 Aliphatics (Unadj.)		MADEP VPH	6210000		ug/kg	570000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C10 Aromatics (Unadj.)		MADEP VPH	3740000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C5- C8 Aliphatics		MADEP VPH	5620000		ug/kg	780000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C12 Aliphatics		MADEP VPH	1120000		ug/kg	570000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-18	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	33500		ug/kg	2300	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Naphthalene	91-20-3	MADEP-EPH-98-1	30300		ug/kg	2300	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	307000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9-C18 Aliphatics		MADEP-EPH-98-1	635000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C11-C22 Aromatics		MADEP-EPH-98-1	243000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45

LabLink Analytical Data Report - HIts/J-Values Only
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-18	TPH (C10-C28)		SW846 8015 M	3240		mg/kg	930	100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	TPH-GRO (C6-C10)		SW846 8015	12800		mg/kg	2400	100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Ethylbenzene	100-41-4	MADEP VPH	95300		ug/kg	56000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Naphthalene	91-20-3	MADEP VPH	77000	J	ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Toluene	108-88-3	MADEP VPH	210000		ug/kg	170000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	m,p-Xylene		MADEP VPH	308000		ug/kg	220000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	o-Xylene	95-47-6	MADEP VPH	137000		ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C5- C8 Aliphatics (Unadj.)		MADEP VPH	2080000		ug/kg	840000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C12 Aliphatics (Unadj.)		MADEP VPH	2770000		ug/kg	620000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C10 Aromatics (Unadj.)		MADEP VPH	1680000		ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C5- C8 Aliphatics		MADEP VPH	1870000		ug/kg	840000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C12 Aliphatics		MADEP VPH	547000	J	ug/kg	620000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-1	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	420	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9-C18 Aliphatics		MADEP-EPH-98-1	74200		ug/kg	11000	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	TPH (C10-C28)		SW846 8015 M	205		mg/kg	92	10	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	62		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	o-Terphenyl	84-15-1	SW846 8015 M	91		%	180	10	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	69		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	o-Terphenyl	84-15-1	MADEP-EPH-98-1	57		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	67		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	TPH-GRO (C6-C10)		SW846 8015	7.98		mg/kg	4.8	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Benzene	71-43-2	MADEP VPH	121	J	ug/kg	240	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	240	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	720	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Naphthalene	91-20-3	MADEP VPH	166	J	ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Toluene	108-88-3	MADEP VPH	ND		ug/kg	720	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	m,p-Xylene		MADEP VPH	264	J	ug/kg	950	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	o-Xylene	95-47-6	MADEP VPH	340	J	ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C5- C8 Aliphatics (Unadj.)		MADEP VPH	2610	J	ug/kg	3600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9720		ug/kg	2600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C10 Aromatics (Unadj.)		MADEP VPH	4670		ug/kg	480	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C5- C8 Aliphatics		MADEP VPH	2360	J	ug/kg	3600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	C9- C12 Aliphatics		MADEP VPH	4450		ug/kg	2600	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	4-Bromofluorobenzene	460-00-4	SW846 8015	113		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	2,5-Dibromotoluene	615-59-8	MADEP VPH	102		%	240	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	2,5-Dibromotoluene	615-59-8	MADEP VPH	98		%	240	1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	aaa-Trifluorotoluene	98-08-8	SW846 8015	105		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-1	Solids, Percent		EPA 160.3 M	89.7		%		1	CLJ-72-S-25-4,6	15-Jul-02	9:00
F13857-2	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30

Enclosure (5) 16

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-2	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	3100		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Naphthalene	91-20-3	MADEP-EPH-98-1	2720		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	470	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	39800		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9-C18 Aliphatics		MADEP-EPH-98-1	71000		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C11-C22 Aromatics		MADEP-EPH-98-1	34000		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	12000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	TPH (C10-C28)		SW846 8015 M	136		mg/kg	20	2	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	54		%		1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	o-Terphenyl	84-15-1	SW846 8015 M	84		%	40	2	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	o-Terphenyl	84-15-1	MADEP-EPH-98-1	57		%		1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	73		%		1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	TPH-GRO (C6-C10)		SW846 8015	825		mg/kg	220	10	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Benzene	71-43-2	MADEP VPH	ND		ug/kg	5400	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Ethylbenzene	100-41-4	MADEP VPH	6590		ug/kg	5400	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	16000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Naphthalene	91-20-3	MADEP VPH	11300		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Toluene	108-88-3	MADEP VPH	8780	J	ug/kg	16000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	m,p-Xylene		MADEP VPH	28700		ug/kg	22000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	o-Xylene	95-47-6	MADEP VPH	16200		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C5- C8 Aliphatics (Unadj.)		MADEP VPH	242000		ug/kg	81000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9- C12 Aliphatics (Unadj.)		MADEP VPH	497000		ug/kg	59000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C8- C10 Aromatics (Unadj.)		MADEP VPH	355000		ug/kg	11000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C5- C8 Aliphatics		MADEP VPH	233000		ug/kg	81000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	C9- C12 Aliphatics		MADEP VPH	90600		ug/kg	59000	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	4-Bromofluorobenzene	460-00-4	SW846 8015	110		%		10	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	133	*	%	5400	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	aaa-Trifluorotoluene	98-08-8	SW846 8015	105		%		10	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	2,5-Dibromotoluene	615-59-8	MADEP VPH	129		%	5400	1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-2	Solids, Percent		EPA 160.3 M	81.9		%		1	CLJ-72-S-28-6,8	15-Jul-02	9:30
F13857-3	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-3	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9.5	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	62		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	o-Terphenyl	84-15-1	SW846 8015 M	71		%	19	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	o-Terphenyl	84-15-1	MADEP-EPH-98-1	61		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	77		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	4.6	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Benzene	71-43-2	MADEP VPH	ND		ug/kg	290	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	290	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	870	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	580	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Toluene	108-88-3	MADEP VPH	ND		ug/kg	870	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	m,p-Xylene		MADEP VPH	ND		ug/kg	1200	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	580	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	4300	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3200	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	580	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	4300	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	3200	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	4-Bromofluorobenzene	460-00-4	SW846 8015	91		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	2,5-Dibromotoluene	615-59-8	MADEP VPH	102		%	290	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	aaa-Trifluorotoluene	98-08-8	SW846 8015	97		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	2,5-Dibromotoluene	615-59-8	MADEP VPH	101		%	290	1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-3	Solids, Percent		EPA 160.3 M	87.6		%		1	CLJ-72-S-34-4,6	15-Jul-02	10:00
F13857-4	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-26-8,10	15-Jul-02	10:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-4	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9.3	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	o-Terphenyl	84-15-1	SW846 8015 M	66		%	19	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	o-Terphenyl	84-15-1	MADEP-EPH-98-1	52		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	66		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	4.9	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Benzene	71-43-2	MADEP VPH	ND		ug/kg	300	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	300	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	890	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Toluene	108-88-3	MADEP VPH	ND		ug/kg	890	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	m,p-Xylene		MADEP VPH	ND		ug/kg	1200	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	4400	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3200	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	4400	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	3200	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	4-Bromofluorobenzene	460-00-4	SW846 8015	89		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	2,5-Dibromotoluene	615-59-8	MADEP VPH	99		%	300	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	aaa-Trifluorotoluene	98-08-8	SW846 8015	101		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	2,5-Dibromotoluene	615-59-8	MADEP VPH	98		%	300	1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-4	Solids, Percent		EPA 160.3 M	86.7		%		1	CLJ-72-S-26-8,10	15-Jul-02	10:30
F13857-5	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9.3	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	o-Terphenyl	84-15-1	SW846 8015 M	72		%	19	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	64		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	o-Terphenyl	84-15-1	MADEP-EPH-98-1	58		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	71		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5	1	CLJ-72-S-35-4,6	15-Jul-02	11:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-5	Benzene	71-43-2	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	760	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Toluene	108-88-3	MADEP VPH	220	J	ug/kg	760	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	m,p-Xylene		MADEP VPH	ND		ug/kg	1000	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3800	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	2800	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	3800	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	2800	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	4-Bromofluorobenzene	460-00-4	SW846 8015	94		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	2,5-Dibromotoluene	615-59-8	MADEP VPH	95		%	250	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	aaa-Trifluorotoluene	98-08-8	SW846 8015	101		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	2,5-Dibromotoluene	615-59-8	MADEP VPH	94		%	250	1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-5	Solids, Percent		EPA 160.3 M	87.6		%		1	CLJ-72-S-35-4,6	15-Jul-02	11:00
F13857-6	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9.2	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	o-Terphenyl	84-15-1	SW846 8015 M	66		%	18	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	63		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	o-Terphenyl	84-15-1	MADEP-EPH-98-1	54		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	64		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Benzene	71-43-2	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	750	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Toluene	108-88-3	MADEP VPH	ND		ug/kg	750	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	m,p-Xylene		MADEP VPH	ND		ug/kg	1000	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-30-6,8	15-Jul-02	11:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-6	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3700	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	2700	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	3700	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	2700	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	4-Bromofluorobenzene	460-00-4	SW846 8015	89		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	2,5-Dibromotoluene	615-59-8	MADEP VPH	94		%	250	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	aaa-Trifluorotoluene	98-08-8	SW846 8015	96		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	2,5-Dibromotoluene	615-59-8	MADEP VPH	93		%	250	1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-6	Solids, Percent		EPA 160.3 M	88		%		1	CLJ-72-S-30-6,8	15-Jul-02	11:30
F13857-7	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Fluoranthene	206-44-0	MADEP-EPH-98-1	1170		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Naphthalene	91-20-3	MADEP-EPH-98-1	516		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Phenanthrene	85-01-8	MADEP-EPH-98-1	799		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	25600		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9-C18 Aliphatics		MADEP-EPH-98-1	39900		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C11-C22 Aromatics		MADEP-EPH-98-1	23100		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	TPH (C10-C28)		SW846 8015 M	67.4		mg/kg	18	2	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	59		%		1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	o-Terphenyl	84-15-1	SW846 8015 M	76		%	37	2	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	67		%		1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	o-Terphenyl	84-15-1	MADEP-EPH-98-1	59		%		1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	70		%		1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	TPH-GRO (C6-C10)		SW846 8015	205		mg/kg	28	250	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Benzene	71-43-2	MADEP VPH	515		ug/kg	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Ethylbenzene	100-41-4	MADEP VPH	786		ug/kg	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	730	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Naphthalene	91-20-3	MADEP VPH	1910		ug/kg	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Toluene	108-88-3	MADEP VPH	1030		ug/kg	730	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	m,p-Xylene		MADEP VPH	2450		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	o-Xylene	95-47-6	MADEP VPH	661		ug/kg	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Xylenes (total)	1330-20-7	MADEP VPH	3110		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C5- C8 Aliphatics (Unadj.)		MADEP VPH	23400		ug/kg	3600	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C12 Aliphatics (Unadj.)		MADEP VPH	44400		ug/kg	2700	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C10 Aromatics (Unadj.)		MADEP VPH	24800		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Total VPH (Unadjusted)		MADEP VPH	94600		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C5- C8 Aliphatics		MADEP VPH	21900		ug/kg	3600	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	C9- C12 Aliphatics		MADEP VPH	19600		ug/kg	2700	1	CLJ-72-S-33-4,6	15-Jul-02	13:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-7	Total VPH		MADEP VPH	62400		ug/kg	970	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	4-Bromofluorobenzene (c)	460-00-4	SW846 8015	114		%		250	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	4-Bromofluorobenzene (d)	460-00-4	SW846 8015	148		%		250	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2,5-Dibromotoluene	615-59-8	MADEP VPH	96		%	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	aaa-Trifluorotoluene	98-08-8	SW846 8015	108		%		250	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2,5-Dibromotoluene	615-59-8	MADEP VPH	87		%	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2,5-Dibromotoluene	615-59-8	MADEP VPH	92		%	480	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	2,5-Dibromotoluene	615-59-8	MADEP VPH	89		%	240	1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-7	Solids, Percent		EPA 160.3 M	89		%		1	CLJ-72-S-33-4,6	15-Jul-02	13:00
F13857-8	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	2-Methylnaphthalene	91-57-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	o-Terphenyl	84-15-1	SW846 8015 M	75		%	18	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	o-Terphenyl	84-15-1	MADEP-EPH-98-1	50		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	64		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5.1	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Benzene	71-43-2	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	250	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	750	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Toluene	108-88-3	MADEP VPH	214	J	ug/kg	750	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	m,p-Xylene		MADEP VPH	225	J	ug/kg	1000	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3700	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	2700	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	500	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	3700	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	2700	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	4-Bromofluorobenzene	460-00-4	SW846 8015	90		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	2,5-Dibromotoluene	615-59-8	MADEP VPH	83		%	250	1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	2,5-Dibromotoluene	615-59-8	MADEP VPH	82		%	250	1	CLJ-72-S-16-6,8	15-Jul-02	13:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-8	aaa-Trifluorotoluene	98-08-8	SW846 8015	96		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-8	Solids, Percent		EPA 160.3 M	90.7		%		1	CLJ-72-S-16-6,8	15-Jul-02	13:30
F13857-9	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	TPH (C10-C28)		SW846 8015 M	10.1		mg/kg	9.2	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	57		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	o-Terphenyl	84-15-1	SW846 8015 M	72		%	18	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	66		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	o-Terphenyl	84-15-1	MADEP-EPH-98-1	55		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	64		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	TPH-GRO (C6-C10)		SW846 8015	4.27	J	mg/kg	5.3	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Benzene	71-43-2	MADEP VPH	209	J	ug/kg	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Ethylbenzene	100-41-4	MADEP VPH	202	J	ug/kg	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	800	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Naphthalene	91-20-3	MADEP VPH	642		ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Toluene	108-88-3	MADEP VPH	306	J	ug/kg	800	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	m,p-Xylene		MADEP VPH	498	J	ug/kg	1100	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	o-Xylene	95-47-6	MADEP VPH	228	J	ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C5- C8 Aliphatics (Unadj.)		MADEP VPH	4560		ug/kg	4000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C12 Aliphatics (Unadj.)		MADEP VPH	5930		ug/kg	2900	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C10 Aromatics (Unadj.)		MADEP VPH	3040		ug/kg	540	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C5- C8 Aliphatics		MADEP VPH	4040		ug/kg	4000	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	C9- C12 Aliphatics		MADEP VPH	1950	J	ug/kg	2900	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	4-Bromofluorobenzene	460-00-4	SW846 8015	99		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	2,5-Dibromotoluene	615-59-8	MADEP VPH	82		%	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	2,5-Dibromotoluene	615-59-8	MADEP VPH	80		%	270	1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	aaa-Trifluorotoluene	98-08-8	SW846 8015	95		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-9	Solids, Percent		EPA 160.3 M	88.3		%		1	CLJ-72-S-22-4,6	15-Jul-02	14:00
F13857-10	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-10	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	440	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	TPH (C10-C28)		SW846 8015 M	14.2		mg/kg	9	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	o-Terphenyl	84-15-1	SW846 8015 M	75		%	18	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	59		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	o-Terphenyl	84-15-1	MADEP-EPH-98-1	55		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	66		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Benzene	71-43-2	MADEP VPH	ND		ug/kg	240	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	240	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	730	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	490	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Toluene	108-88-3	MADEP VPH	345	J	ug/kg	730	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	m,p-Xylene		MADEP VPH	ND		ug/kg	970	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	490	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3600	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9720		ug/kg	2700	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C10 Aromatics (Unadj.)		MADEP VPH	7890		ug/kg	490	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	3600	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	C9- C12 Aliphatics		MADEP VPH	1830	J	ug/kg	2700	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	4-Bromofluorobenzene	460-00-4	SW846 8015	90		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	2,5-Dibromotoluene	615-59-8	MADEP VPH	98		%	240	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	aaa-Trifluorotoluene	98-08-8	SW846 8015	92		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	2,5-Dibromotoluene	615-59-8	MADEP VPH	97		%	240	1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-10	Solids, Percent		EPA 160.3 M	91		%		1	CLJ-72-S-14-4,6	15-Jul-02	14:30
F13857-11	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-11	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Naphthalene	91-20-3	MADEP-EPH-98-1	3440		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	510	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	138000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9-C18 Aliphatics		MADEP-EPH-98-1	620000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C11-C22 Aromatics		MADEP-EPH-98-1	135000		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	13000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	TPH (C10-C28)		SW846 8015 M	1010		mg/kg	260	25	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	57		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	o-Terphenyl (b)	84-15-1	SW846 8015 M	ND	*	%	520	25	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	68		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	o-Terphenyl	84-15-1	MADEP-EPH-98-1	60		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	68		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	TPH-GRO (C6-C10)		SW846 8015	964		mg/kg	110	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Benzene	71-43-2	MADEP VPH	ND		ug/kg	3000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	3000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	8900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Naphthalene	91-20-3	MADEP VPH	5800	J	ug/kg	5900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Toluene	108-88-3	MADEP VPH	ND		ug/kg	8900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	m,p-Xylene		MADEP VPH	8080	J	ug/kg	12000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	o-Xylene	95-47-6	MADEP VPH	9890		ug/kg	5900	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C5- C8 Aliphatics (Unadj.)		MADEP VPH	223000		ug/kg	45000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C12 Aliphatics (Unadj.)		MADEP VPH	977000		ug/kg	33000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C10 Aromatics (Unadj.)		MADEP VPH	838000		ug/kg	24000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C5- C8 Aliphatics		MADEP VPH	223000		ug/kg	45000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	C9- C12 Aliphatics		MADEP VPH	139000		ug/kg	33000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	4-Bromofluorobenzene (c)	460-00-4	SW846 8015	116		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	4-Bromofluorobenzene (d)	460-00-4	SW846 8015	178	*	%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	12000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	143	*	%	3000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	aaa-Trifluorotoluene	98-08-8	SW846 8015	104		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	141	*	%	3000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	12000	1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-11	Solids, Percent		EPA 160.3 M	78.9		%		1	CLJ-72-S-20-4,6	15-Jul-02	15:00
F13857-12	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-12	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	TPH (C10-C28)		SW846 8015 M	14.5		mg/kg	9.2	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	52		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	o-Terphenyl	84-15-1	SW846 8015 M	75		%	18	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	63		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	o-Terphenyl	84-15-1	MADEP-EPH-98-1	56		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	72		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	TPH-GRO (C6-C10)		SW846 8015	19.4		mg/kg	5.1	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Benzene	71-43-2	MADEP VPH	575		ug/kg	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Ethylbenzene	100-41-4	MADEP VPH	378		ug/kg	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	720	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	480	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Toluene	108-88-3	MADEP VPH	1850		ug/kg	720	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	m,p-Xylene		MADEP VPH	2000		ug/kg	960	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	o-Xylene	95-47-6	MADEP VPH	680		ug/kg	480	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C5- C8 Aliphatics (Unadj.)		MADEP VPH	4920		ug/kg	3600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9- C12 Aliphatics (Unadj.)		MADEP VPH	5090		ug/kg	2600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9- C10 Aromatics (Unadj.)		MADEP VPH	2360		ug/kg	480	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C5- C8 Aliphatics		MADEP VPH	2490	J	ug/kg	3600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	2600	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	4-Bromofluorobenzene (c)	460-00-4	SW846 8015	111		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	4-Bromofluorobenzene (d)	460-00-4	SW846 8015	210	*	%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	2,5-Dibromotoluene	615-59-8	MADEP VPH	84		%	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	2,5-Dibromotoluene	615-59-8	MADEP VPH	83		%	240	1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	aaa-Trifluorotoluene	98-08-8	SW846 8015	91		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-12	Solids, Percent		EPA 160.3 M	88.2		%		1	CLJ-72-S-18-4,6	15-Jul-02	15:30
F13857-13	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	430	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	8.9	1	CLJ-72-S-24-6,8	15-Jul-02	16:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-13	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	54		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	o-Terphenyl	84-15-1	SW846 8015 M	71		%	18	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	o-Terphenyl	84-15-1	MADEP-EPH-98-1	56		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	72		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5.8	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Benzene	71-43-2	MADEP VPH	ND		ug/kg	300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	890	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Toluene	108-88-3	MADEP VPH	ND		ug/kg	890	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	m,p-Xylene		MADEP VPH	ND		ug/kg	1200	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	4400	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	590	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	4400	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	3300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	4-Bromofluorobenzene	460-00-4	SW846 8015	93		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	2,5-Dibromotoluene	615-59-8	MADEP VPH	90		%	300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	aaa-Trifluorotoluene	98-08-8	SW846 8015	103		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	2,5-Dibromotoluene	615-59-8	MADEP VPH	89		%	300	1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-13	Solids, Percent		EPA 160.3 M	93.3		%		1	CLJ-72-S-24-6,8	15-Jul-02	16:00
F13857-14	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	TPH (C10-C28)		SW846 8015 M	ND		mg/kg	9.3	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	58		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	o-Terphenyl	84-15-1	SW846 8015 M	70		%	19	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	67		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	o-Terphenyl	84-15-1	MADEP-EPH-98-1	54		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	67		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5.5	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Benzene	71-43-2	MADEP VPH	ND		ug/kg	280	1	CLJ-72-S-12-4,6	15-Jul-02	16:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-14	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	280	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	830	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	550	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Toluene	108-88-3	MADEP VPH	459	J	ug/kg	830	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	m,p-Xylene		MADEP VPH	315	J	ug/kg	1100	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	550	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	4100	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C12 Aliphatics (Unadj.)		MADEP VPH	1870	J	ug/kg	3000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C10 Aromatics (Unadj.)		MADEP VPH	1190		ug/kg	550	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	4100	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	C9- C12 Aliphatics		MADEP VPH	364	J	ug/kg	3000	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	4-Bromofluorobenzene	460-00-4	SW846 8015	95		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	2,5-Dibromotoluene (e)	615-59-8	MADEP VPH	68	*	%	280	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	2,5-Dibromotoluene (e)	615-59-8	MADEP VPH	66	*	%	280	1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	aaa-Trifluorotoluene	98-08-8	SW846 8015	103		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-14	Solids, Percent		EPA 160.3 M	87.6		%		1	CLJ-72-S-12-4,6	15-Jul-02	16:30
F13857-15	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Naphthalene	91-20-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C9-C18 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C11-C22 Aromatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C18-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	TPH (C10-C28)		SW846 8015 M	33.8		mg/kg	9.4	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	o-Terphenyl	84-15-1	SW846 8015 M	77		%	19	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	68		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	o-Terphenyl	84-15-1	MADEP-EPH-98-1	63		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	75		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	TPH-GRO (C6-C10)		SW846 8015	ND		mg/kg	5	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Benzene	71-43-2	MADEP VPH	ND		ug/kg	240	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/kg	240	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	720	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Naphthalene	91-20-3	MADEP VPH	ND		ug/kg	480	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Toluene	108-88-3	MADEP VPH	ND		ug/kg	720	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	m,p-Xylene		MADEP VPH	ND		ug/kg	950	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	o-Xylene	95-47-6	MADEP VPH	ND		ug/kg	480	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	3600	1	CLJ-72-S-9-4,6	15-Jul-02	17:00

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-15	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/kg	2600	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C9- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/kg	480	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C5- C8 Aliphatics		MADEP VPH	ND		ug/kg	3600	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	C9- C12 Aliphatics		MADEP VPH	ND		ug/kg	2600	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	4-Bromofluorobenzene	460-00-4	SW846 8015	94		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	2,5-Dibromotoluene	615-59-8	MADEP VPH	81		%	240	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	2,5-Dibromotoluene	615-59-8	MADEP VPH	80		%	240	1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	aaa-Trifluorotoluene	98-08-8	SW846 8015	101		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-15	Solids, Percent		EPA 160.3 M	88.3		%		1	CLJ-72-S-9-4,6	15-Jul-02	17:00
F13857-16	Acenaphthene	83-32-9	MADEP-EPH-98-1	5300		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	106000		ug/kg	2300	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Naphthalene	91-20-3	MADEP-EPH-98-1	82500		ug/kg	2300	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Phenanthrene	85-01-8	MADEP-EPH-98-1	4760		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	460	1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	1560000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9-C18 Aliphatics		MADEP-EPH-98-1	3610000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C11-C22 Aromatics		MADEP-EPH-98-1	1360000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C19-C36 Aliphatics		MADEP-EPH-98-1	278000		ug/kg	57000	5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	TPH (C10-C28)		SV846 8015 M	11200		mg/kg	3800	400	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	55		%		5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	o-Terphenyl (b)	84-15-1	SW846 8015 M	ND		%	7500	400	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	63		%		1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	123		%		5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	94		%		1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	o-Terphenyl	84-15-1	MADEP-EPH-98-1	64		%		5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	o-Terphenyl	84-15-1	MADEP-EPH-98-1	59		%		1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	78		%		5	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	139		%		1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	TPH-GRO (C6-C10)		SW846 8015	18000		mg/kg	2100	100	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Benzene	71-43-2	MADEP VPH	155000		ug/kg	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Ethylbenzene	100-41-4	MADEP VPH	366000		ug/kg	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	170000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Naphthalene	91-20-3	MADEP VPH	211000		ug/kg	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Toluene	108-88-3	MADEP VPH	980000		ug/kg	170000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	m,p-Xylene		MADEP VPH	1220000		ug/kg	230000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	o-Xylene	95-47-6	MADEP VPH	510000		ug/kg	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C5- C8 Aliphatics (Unadj.)		MADEP VPH	9590000		ug/kg	850000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9- C12 Aliphatics (Unadj.)		MADEP VPH	9520000		ug/kg	630000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C9- C10 Aromatics (Unadj.)		MADEP VPH	5450000		ug/kg	230000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	C5- C8 Aliphatics		MADEP VPH	8460000		ug/kg	850000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-16	C9- C12 Aliphatics		MADEP VPH	4070000		ug/kg	630000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	4-Bromofluorobenzene	460-00-4	SW846 8015	113		%		100	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	aaa-Trifluorotoluene	98-08-8	SW846 8015	105		%		100	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	57000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	110000	50	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-16	Solids, Percent		EPA 160.3 M	87.9		%		1	CLJ-72-S-4-4,6	15-Jul-02	17:30
F13857-17	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzo(g,h,i)perylene	181-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	44200		ug/kg	2300	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Naphthalene	91-20-3	MADEP-EPH-98-1	45000		ug/kg	2300	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	481000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9-C18 Aliphatics		MADEP-EPH-98-1	1200000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C11-C22 Aromatics		MADEP-EPH-98-1	392000		ug/kg	56000	5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	TPH (C10-C28)		SW846 8015 M	3610		mg/kg	940	100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	57		%		5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	65		%		1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	o-Terphenyl (b)	84-15-1	SW846 8015 M	ND	*	%	1900	100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	80		%		5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	93		%		1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	o-Terphenyl	84-15-1	MADEP-EPH-98-1	61		%		5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	o-Terphenyl	84-15-1	MADEP-EPH-98-1	59		%		1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	92		%		5	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	96		%		1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	TPH-GRO (C6-C10)		SW846 8015	15600		mg/kg	2200	100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Benzene	71-43-2	MADEP VPH	81100		ug/kg	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Ethylbenzene	100-41-4	MADEP VPH	245000		ug/kg	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	160000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Naphthalene	91-20-3	MADEP VPH	117000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Toluene	108-88-3	MADEP VPH	694000		ug/kg	160000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	m,p-Xylene		MADEP VPH	777000		ug/kg	210000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	o-Xylene	95-47-6	MADEP VPH	333000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C5- C8 Aliphatics (Unadj.)		MADEP VPH	6390000		ug/kg	780000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C12 Aliphatics (Unadj.)		MADEP VPH	6210000		ug/kg	570000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C10 Aromatics (Unadj.)		MADEP VPH	3740000		ug/kg	100000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C5- C8 Aliphatics		MADEP VPH	5620000		ug/kg	780000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	C9- C12 Aliphatics		MADEP VPH	1120000		ug/kg	570000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-17	4-Bromofluorobenzene	460-00-4	SW846 8015	105		%		100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	52000	50	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	aaa-Trifluorotoluene	98-08-8	SW846 8015	106		%		100	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-17	Solids, Percent		EPA 160.3 M	88.8		%		1	CLJ-72-S-5-4,6	15-Jul-02	17:40
F13857-18	Acenaphthene	83-32-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Acenaphthylene	208-96-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Anthracene	120-12-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzo(a)anthracene	56-55-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzo(a)pyrene	50-32-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzo(b)fluoranthene	205-99-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzo(g,h,i)perylene	191-24-2	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzo(k)fluoranthene	207-08-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Chrysene	218-01-9	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Dibenzo(a,h)anthracene	53-70-3	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Fluoranthene	206-44-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Fluorene	86-73-7	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Indeno(1,2,3-cd)pyrene	193-39-5	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2-Methylnaphthalene	91-57-6	MADEP-EPH-98-1	33500		ug/kg	2300	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Naphthalene	91-20-3	MADEP-EPH-98-1	30300		ug/kg	2300	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Phenanthrene	85-01-8	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Pyrene	129-00-0	MADEP-EPH-98-1	ND		ug/kg	450	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C11-C22 Aromatics (Unadj.)		MADEP-EPH-98-1	307000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9-C18 Aliphatics		MADEP-EPH-98-1	635000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C11-C22 Aromatics		MADEP-EPH-98-1	243000		ug/kg	56000	5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C19-C36 Aliphatics		MADEP-EPH-98-1	ND		ug/kg	11000	1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	TPH (C10-C28)		SW846 8015 M	3240		mg/kg	930	100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	41		%		5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	1-Chlorooctadecane	3386-33-2	MADEP-EPH-98-1	50		%		1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	o-Terphenyl (b)	84-15-1	SW846 8015 M	ND	*	%	1900	100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	83		%		5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2-Bromonaphthalene	580-13-2	MADEP-EPH-98-1	96		%		1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	o-Terphenyl	84-15-1	MADEP-EPH-98-1	58		%		5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	o-Terphenyl	84-15-1	MADEP-EPH-98-1	56		%		1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	95		%		5	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2-Fluorobiphenyl	321-60-8	MADEP-EPH-98-1	93		%		1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	TPH-GRO (C6-C10)		SW846 8015	12800		mg/kg	2400	100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Benzene	71-43-2	MADEP VPH	ND		ug/kg	56000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Ethylbenzene	100-41-4	MADEP VPH	95300		ug/kg	56000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/kg	170000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Naphthalene	91-20-3	MADEP VPH	77000	J	ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Toluene	108-88-3	MADEP VPH	210000		ug/kg	170000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	m,p-Xylene		MADEP VPH	308000		ug/kg	220000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	o-Xylene	95-47-6	MADEP VPH	137000		ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C5- C8 Aliphatics (Unadj.)		MADEP VPH	2080000		ug/kg	840000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C12 Aliphatics (Unadj.)		MADEP VPH	2770000		ug/kg	620000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C10 Aromatics (Unadj.)		MADEP VPH	1680000		ug/kg	110000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C5- C8 Aliphatics		MADEP VPH	1870000		ug/kg	840000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	C9- C12 Aliphatics		MADEP VPH	547000	J	ug/kg	620000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	4-Bromofluorobenzene	460-00-4	SW846 8015	109		%		100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	56000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	2,5-Dibromotoluene (b)	615-59-8	MADEP VPH	ND	*	%	56000	50	CLJ-72-S-5-4,6D	15-Jul-02	17:45

LabLink Analytical Data Report
Camp Lejeune-HPFF 824603

Sample	Parameter	Cas No.	Method	Result	Qual	Units	RL	DF	Client ID	Collected	Time
F13857-18	aaa-Trifluorotoluene	98-08-8	SW846 8015	106		%		100	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-18	Solids, Percent		EPA 160.3 M	88.8		%		1	CLJ-72-S-5-4,6D	15-Jul-02	17:45
F13857-19	Benzene	71-43-2	MADEP VPH	ND		ug/l	5	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	TPH-GRO (C6-C10)		SW846 8015	ND		mg/l	0.1	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	Ethylbenzene	100-41-4	MADEP VPH	ND		ug/l	5	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	Methyl Tert Butyl Ether	1634-04-4	MADEP VPH	ND		ug/l	15	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	Naphthalene	91-20-3	MADEP VPH	ND		ug/l	10	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	Toluene	108-88-3	MADEP VPH	ND		ug/l	15	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	m,p-Xylene		MADEP VPH	ND		ug/l	20	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	o-Xylene	95-47-6	MADEP VPH	ND		ug/l	10	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	C5- C8 Aliphatics (Unadj.)		MADEP VPH	ND		ug/l	75	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	C9- C12 Aliphatics (Unadj.)		MADEP VPH	ND		ug/l	55	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	C8- C10 Aromatics (Unadj.)		MADEP VPH	ND		ug/l	10	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	C5- C8 Aliphatics		MADEP VPH	ND		ug/l	75	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	C8- C12 Aliphatics		MADEP VPH	ND		ug/l	55	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	2,5-Dibromotoluene	615-59-8	MADEP VPH	102		%	5	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	2,5-Dibromotoluene	615-59-8	MADEP VPH	99		%	5	1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	4-Bromofluorobenzene	460-00-4	SW846 8015	83		%		1	CLJ-72-S-TB	15-Jul-02	0:00
F13857-19	aaa-Trifluorotoluene	98-08-8	SW846 8015	89		%		1	CLJ-72-S-TB	15-Jul-02	0:00

(b) Outside control limits due to dilution.

(c) Result reported from PID.

(d) Outside control limits due to matrix interference.

(e) Surrogates outside of control limits, all values should be considered estimated.

OHM Remediation Services Corp.

11560 Great Oaks Way, Suite 500
Alpharetta, GA 30022-2424
770.475.8994
Fax 770.777.8165



July 31, 2002

Ms. Lori Reuther
Atlantic Division Code EV23LR
Naval Facilities Engineering Command
1510 Gilbert Street
Norfolk, VA 23511-2699

Re: Full Analytical Packages for Additional HPFF Soil Sampling

Dear Ms. Reuther:

Attached are the complete analytical data packages for the additional soil sampling conducted in the Hadnot Point (North) area as executed under Work Directive 004A under Task Order 072. One additional copy has been provided to Nikki Hall at Camp Lejeune.

Please contact me at 770-663-1453 should you have any additional comments or questions.

Sincerely,
OHM Remediation Services Corp.

A handwritten signature in black ink, appearing to read "Ron", is written over the signature line.

Ronald B. Kenyon
Project Manager

Attachment

pc: Nikki Hall - IRD/EMD w/ enclosures.
OHM Project File 824603

Enclosure (6) p10

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

824603

Accutest Job Number: F13857

Report to:

Shaw E & I, Inc.

Natasha.Sullivan@theitgroup.com

ATTN: Natasha Sullivan

Total number of pages in report: 176



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Harry Behzadi, Ph.D.
Laboratory Director

Certification: Florida DOH E83510

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

Shaw E & I, Inc.

Job No: F13857

Camp Lejeune-HPFF
Project No: 824603

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F13857-1	07/15/02	09:00 MM	07/16/02	SO	Soil	CLJ-72-S-25-4,6
F13857-2	07/15/02	09:30 MM	07/16/02	SO	Soil	CLJ-72-S-28-6,8
F13857-3	07/15/02	10:00 MM	07/16/02	SO	Soil	CLJ-72-S-34-4,6
F13857-4	07/15/02	10:30 MM	07/16/02	SO	Soil	CLJ-72-S-26-8,10
F13857-5	07/15/02	11:00 MM	07/16/02	SO	Soil	CLJ-72-S-35-4,6
F13857-6	07/15/02	11:30 MM	07/16/02	SO	Soil	CLJ-72-S-30-6,8
F13857-7	07/15/02	13:00 MM	07/16/02	SO	Soil	CLJ-72-S-33-4,6
F13857-8	07/15/02	13:30 MM	07/16/02	SO	Soil	CLJ-72-S-16-6,8
F13857-9	07/15/02	14:00 MM	07/16/02	SO	Soil	CLJ-72-S-22-4,6
F13857-10	07/15/02	14:30 MM	07/16/02	SO	Soil	CLJ-72-S-14-4,6
F13857-11	07/15/02	15:00 MM	07/16/02	SO	Soil	CLJ-72-S-20-4,6
F13857-12	07/15/02	15:30 MM	07/16/02	SO	Soil	CLJ-72-S-18-4,6
F13857-13	07/15/02	16:00 MM	07/16/02	SO	Soil	CLJ-72-S-24-6,8

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Shaw E & I, Inc.

Job No: F13857

Camp Lejeune-HPFF
Project No: 824603

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F13857-14	07/15/02	16:30 MM	07/16/02	SO	Soil	CLJ-72-S-12-4,6
F13857-15	07/15/02	17:00 MM	07/16/02	SO	Soil	CLJ-72-S-9-4,6
F13857-16	07/15/02	17:30 MM	07/16/02	SO	Soil	CLJ-72-S-4-4,6
F13857-17	07/15/02	17:40 MM	07/16/02	SO	Soil	CLJ-72-S-5-4,6
F13857-18	07/15/02	17:45 MM	07/16/02	SO	Soil	CLJ-72-S-5-4,6D
F13857-19	07/15/02	00:00 MM	07/16/02	AQ	Trip Blank Soil	CLJ-72-S-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	CLJ-72-S-25-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-1	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	89.7
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007078.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	121	240	ug/kg	J
100-41-4	Ethylbenzene	ND	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	720	ug/kg	
91-20-3	Naphthalene	166	480	ug/kg	J
108-88-3	Toluene	ND	720	ug/kg	
	m,p-Xylene	264	950	ug/kg	J
95-47-6	o-Xylene	340	480	ug/kg	J
	C5- C8 Aliphatics (Unadj.)	2610	3600	ug/kg	J
	C9- C12 Aliphatics (Unadj.)	9720	2600	ug/kg	
	C9- C10 Aromatics (Unadj.)	4670	480	ug/kg	
	C5- C8 Aliphatics	2360	3600	ug/kg	J
	C9- C12 Aliphatics	4450	2600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	102%		70-130%
615-59-8	2,5-Dibromotoluene	98%		70-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-25-4,6

Lab Sample ID: F13857-1

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: SW846 8015

Percent Solids: 89.7

Project: Camp Lejeune-HPFF

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007015.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.84 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	7.98	4.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	113%		54-143%	
98-08-8	aaa-Trifluorotoluene	105%		73-120%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-25-4,6		Date Sampled: 07/15/02	
Lab Sample ID: F13857-1		Date Received: 07/16/02	
Matrix: SO - Soil		Percent Solids: 89.7	
Method: MADEP-EPH-98-1 SW846 3545			
Project: Camp Lejeune-HPFF			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18381.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.5 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	420	ug/kg	
208-96-8	Acenaphthylene	ND	420	ug/kg	
120-12-7	Anthracene	ND	420	ug/kg	
56-55-3	Benzo(a)anthracene	ND	420	ug/kg	
50-32-8	Benzo(a)pyrene	ND	420	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	420	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	420	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	420	ug/kg	
218-01-9	Chrysene	ND	420	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	420	ug/kg	
206-44-0	Fluoranthene	ND	420	ug/kg	
86-73-7	Fluorene	ND	420	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	420	ug/kg	
91-57-6	2-Methylnaphthalene	ND	420	ug/kg	
91-20-3	Naphthalene	ND	420	ug/kg	
85-01-8	Phenanthrene	ND	420	ug/kg	
129-00-0	Pyrene	ND	420	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	74200	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	62%		40-140%	
580-13-2	2-Bromonaphthalene	69%		40-140%	
84-15-1	o-Terphenyl	57%		40-140%	
321-60-8	2-Fluorobiphenyl	67%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-25-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-1	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	89.7
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZF05693.D	10	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	205	92	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	91%		60-124%	

(a) Petroleum hydrocarbon pattern extends beyond C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-28-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-2	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007080.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	5.0 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	5400	ug/kg	
100-41-4	Ethylbenzene	6590	5400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	16000	ug/kg	
91-20-3	Naphthalene	11300	11000	ug/kg	
108-88-3	Toluene	8780	16000	ug/kg	J
	m,p-Xylene	28700	22000	ug/kg	
95-47-6	o-Xylene	16200	11000	ug/kg	
	C5- C8 Aliphatics (Unadj.)	242000	81000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	497000	59000	ug/kg	
	C9- C10 Aromatics (Unadj.)	355000	11000	ug/kg	
	C5- C8 Aliphatics	233000	81000	ug/kg	
	C9- C12 Aliphatics	90600	59000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	133% ^a		70-130%
615-59-8	2,5-Dibromotoluene	129%		70-130%

(a) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-28-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-2	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007014.D	10	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	825	220	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	110%		54-143%	
98-08-8	aaa-Trifluorotoluene	105%		73-120%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-28-6,8							
Lab Sample ID: F13857-2				Date Sampled: 07/15/02			
Matrix: SO - Soil				Date Received: 07/16/02			
Method: MADEP-EPH-98-1 SW846 3545				Percent Solids: 81.9			
Project: Camp Lejeune-HPFF							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18382.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

	Initial Weight	Final Volume
Run #1	10.3 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	470	ug/kg	
208-96-8	Acenaphthylene	ND	470	ug/kg	
120-12-7	Anthracene	ND	470	ug/kg	
56-55-3	Benzo(a)anthracene	ND	470	ug/kg	
50-32-8	Benzo(a)pyrene	ND	470	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	470	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	470	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	470	ug/kg	
218-01-9	Chrysene	ND	470	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	470	ug/kg	
206-44-0	Fluoranthene	ND	470	ug/kg	
86-73-7	Fluorene	ND	470	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	470	ug/kg	
91-57-6	2-Methylnaphthalene	3100	470	ug/kg	
91-20-3	Naphthalene	2720	470	ug/kg	
85-01-8	Phenanthrene	ND	470	ug/kg	
129-00-0	Pyrene	ND	470	ug/kg	
	C11-C22 Aromatics (Unadj.)	39800	12000	ug/kg	
	C9-C18 Aliphatics	71000	12000	ug/kg	
	C11-C22 Aromatics	34000	12000	ug/kg	
	C19-C36 Aliphatics	ND	12000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	54%		40-140%	
580-13-2	2-Bromonaphthalene	65%		40-140%	
84-15-1	o-Terphenyl	57%		40-140%	
321-60-8	2-Fluorobiphenyl	73%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-28-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-2	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05720.D	2	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	136	20	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	84%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-34-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-3	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007088.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.95 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	290	ug/kg	
100-41-4	Ethylbenzene	ND	290	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	870	ug/kg	
91-20-3	Naphthalene	ND	580	ug/kg	
108-88-3	Toluene	ND	870	ug/kg	
	m,p-Xylene	ND	1200	ug/kg	
95-47-6	o-Xylene	ND	580	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	4300	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3200	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	580	ug/kg	
	C5- C8 Aliphatics	ND	4300	ug/kg	
	C9- C12 Aliphatics	ND	3200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	102%		70-130%
615-59-8	2,5-Dibromotoluene	101%		70-130%

(a) Sample introduction performed using method 5030A.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-34-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-3	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007016.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.21 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	91%		54-143%	
98-08-8	aaa-Trifluorotoluene	97%		73-120%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-34-4,6							
Lab Sample ID: F13857-3				Date Sampled: 07/15/02			
Matrix: SO - Soil				Date Received: 07/16/02			
Method: MADEP-EPH-98-1 SW846 3545				Percent Solids: 87.6			
Project: Camp Lejeune-HPFF							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18383.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

	Initial Weight	Final Volume
Run #1	10.4 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	440	ug/kg	
208-96-8	Acenaphthylene	ND	440	ug/kg	
120-12-7	Anthracene	ND	440	ug/kg	
56-55-3	Benzo(a)anthracene	ND	440	ug/kg	
50-32-8	Benzo(a)pyrene	ND	440	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	440	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	440	ug/kg	
218-01-9	Chrysene	ND	440	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	440	ug/kg	
206-44-0	Fluoranthene	ND	440	ug/kg	
86-73-7	Fluorene	ND	440	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	440	ug/kg	
91-57-6	2-Methylnaphthalene	ND	440	ug/kg	
91-20-3	Naphthalene	ND	440	ug/kg	
85-01-8	Phenanthrene	ND	440	ug/kg	
129-00-0	Pyrene	ND	440	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	62%		40-140%	
580-13-2	2-Bromonaphthalene	65%		40-140%	
84-15-1	o-Terphenyl	61%		40-140%	
321-60-8	2-Fluorobiphenyl	77%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-34-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-3	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05695.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	71%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-26-8,10	Date Sampled:	07/15/02
Lab Sample ID:	F13857-4	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007089.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.89 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	300	ug/kg	
100-41-4	Ethylbenzene	ND	300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	890	ug/kg	
91-20-3	Naphthalene	ND	590	ug/kg	
108-88-3	Toluene	ND	890	ug/kg	
	m,p-Xylene	ND	1200	ug/kg	
95-47-6	o-Xylene	ND	590	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	4400	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3200	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	590	ug/kg	
	C5- C8 Aliphatics	ND	4400	ug/kg	
	C9- C12 Aliphatics	ND	3200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	99%		70-130%
615-59-8	2,5-Dibromotoluene	98%		70-130%

(a) Sample introduction performed using method 5030A.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-26-8,10	Date Sampled:	07/15/02
Lab Sample ID:	F13857-4	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007020.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.88 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	89%		54-143%	
98-08-8	aaa-Trifluorotoluene	101%		73-120%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-26-8,10

Lab Sample ID: F13857-4

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: MADEP-EPH-98-1 SW846 3545

Percent Solids: 86.7

Project: Camp Lejeune-HPFF

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	ST18384.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583

Run #1	Initial Weight	Final Volume
Run #2	10.1 g	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	460	ug/kg	
208-96-8	Acenaphthylene	ND	460	ug/kg	
120-12-7	Anthracene	ND	460	ug/kg	
56-55-3	Benzo(a)anthracene	ND	460	ug/kg	
50-32-8	Benzo(a)pyrene	ND	460	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	460	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	460	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	460	ug/kg	
218-01-9	Chrysene	ND	460	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	460	ug/kg	
206-44-0	Fluoranthene	ND	460	ug/kg	
86-73-7	Fluorene	ND	460	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	460	ug/kg	
91-57-6	2-Methylnaphthalene	ND	460	ug/kg	
91-20-3	Naphthalene	ND	460	ug/kg	
85-01-8	Phenanthrene	ND	460	ug/kg	
129-00-0	Pyrene	ND	460	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	65%		40-140%	
84-15-1	o-Terphenyl	52%		40-140%	
321-60-8	2-Fluorobiphenyl	66%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-26-8,10	Date Sampled:	07/15/02
Lab Sample ID:	F13857-4	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05696.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	66%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-35-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-5	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007069.D	1	07/22/02	RM	n/a	n/a	GUV451
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	250	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	760	ug/kg	
91-20-3	Naphthalene	ND	500	ug/kg	
108-88-3	Toluene	220	760	ug/kg	J
	m,p-Xylene	ND	1000	ug/kg	
95-47-6	o-Xylene	ND	500	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3800	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	500	ug/kg	
	C5- C8 Aliphatics	ND	3800	ug/kg	
	C9- C12 Aliphatics	ND	2800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	95%		70-130%
615-59-8	2,5-Dibromotoluene	94%		70-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-35-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-5	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007021.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		54-143%
98-08-8	aaa-Trifluorotoluene	101%		73-120%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-35-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-5	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18385.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	460	ug/kg	
208-96-8	Acenaphthylene	ND	460	ug/kg	
120-12-7	Anthracene	ND	460	ug/kg	
56-55-3	Benzo(a)anthracene	ND	460	ug/kg	
50-32-8	Benzo(a)pyrene	ND	460	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	460	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	460	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	460	ug/kg	
218-01-9	Chrysene	ND	460	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	460	ug/kg	
206-44-0	Fluoranthene	ND	460	ug/kg	
86-73-7	Fluorene	ND	460	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	460	ug/kg	
91-57-6	2-Methylnaphthalene	ND	460	ug/kg	
91-20-3	Naphthalene	ND	460	ug/kg	
85-01-8	Phenanthrene	ND	460	ug/kg	
129-00-0	Pyrene	ND	460	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	64%		40-140%	
84-15-1	o-Terphenyl	58%		40-140%	
321-60-8	2-Fluorobiphenyl	71%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-35-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-5	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05698.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	72%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-30-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-6	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007070.D	1	07/22/02	RM	n/a	n/a	GUV451
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	250	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	750	ug/kg	
91-20-3	Naphthalene	ND	500	ug/kg	
108-88-3	Toluene	ND	750	ug/kg	
	m,p-Xylene	ND	1000	ug/kg	
95-47-6	o-Xylene	ND	500	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3700	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2700	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	500	ug/kg	
	C5- C8 Aliphatics	ND	3700	ug/kg	
	C9- C12 Aliphatics	ND	2700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	94%		70-130%
615-59-8	2,5-Dibromotoluene	93%		70-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-30-6,8
 Lab Sample ID: F13857-6
 Matrix: SO - Soil
 Method: SW846 8015
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 88.0

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007023.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		54-143%
98-08-8	aaa-Trifluorotoluene	96%		73-120%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-30-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-6	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18386.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	ND	450	ug/kg	
91-20-3	Naphthalene	ND	450	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	65%		40-140%
580-13-2	2-Bromonaphthalene	63%		40-140%
84-15-1	o-Terphenyl	54%		40-140%
321-60-8	2-Fluorobiphenyl	64%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-30-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-6	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05699.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	66%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-33-4,6
 Lab Sample ID: F13857-7
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 89.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007064.D	1	07/22/02	RM	n/a	n/a	GUV451
Run #2	UV007079.D	1	07/23/02	RM	n/a	n/a	GUV452

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	100 ul
Run #2	5.80 g	5.0 ml	50.0 ul

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	515	240	ug/kg	
100-41-4	Ethylbenzene	786	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	730	ug/kg	
91-20-3	Naphthalene	1910	480	ug/kg	
108-88-3	Toluene	1030	730	ug/kg	
	m,p-Xylene	2450	970	ug/kg	
95-47-6	o-Xylene	661	480	ug/kg	
1330-20-7	Xylenes (total)	3110	970	ug/kg	
	C5- C8 Aliphatics (Unadj.)	23400	3600	ug/kg	
	C9- C12 Aliphatics (Unadj.)	44400	2700	ug/kg	
	C9- C10 Aromatics (Unadj.)	24800 ^a	970	ug/kg	
	Total VPH (Unadjusted)	94600	970	ug/kg	
	C5- C8 Aliphatics	21900	3600	ug/kg	
	C9- C12 Aliphatics	19600	2700	ug/kg	
	Total VPH	62400	970	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	89%	96%	70-130%
615-59-8	2,5-Dibromotoluene	87%	92%	70-130%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-33-4,6

Lab Sample ID: F13857-7

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: SW846 8015

Percent Solids: 89.0

Project: Camp Lejeune-HPFF

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007012.D	250	07/19/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	205	28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	114% ^a		54-143%
460-00-4	4-Bromofluorobenzene	148% ^b		54-143%
98-08-8	aaa-Trifluorotoluene	108%		73-120%

(a) Result reported from PID.

(b) Outside control limits due to matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-33-4,6

Lab Sample ID: F13857-7

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: MADEP-EPH-98-1 SW846 3545

Percent Solids: 89.0

Project: Camp Lejeune-HPFF

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18387.D	1	07/19/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

	Initial Weight	Final Volume
Run #1	10.3 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	440	ug/kg	
208-96-8	Acenaphthylene	ND	440	ug/kg	
120-12-7	Anthracene	ND	440	ug/kg	
56-55-3	Benzo(a)anthracene	ND	440	ug/kg	
50-32-8	Benzo(a)pyrene	ND	440	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	440	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	440	ug/kg	
218-01-9	Chrysene	ND	440	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	440	ug/kg	
206-44-0	Fluoranthene	1170	440	ug/kg	
86-73-7	Fluorene	ND	440	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	440	ug/kg	
91-57-6	2-Methylnaphthalene	ND	440	ug/kg	
91-20-3	Naphthalene	516	440	ug/kg	
85-01-8	Phenanthrene	799	440	ug/kg	
129-00-0	Pyrene	ND	440	ug/kg	
	C11-C22 Aromatics (Unadj.)	25600	11000	ug/kg	
	C9-C18 Aliphatics	39900	11000	ug/kg	
	C11-C22 Aromatics	23100	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	59%		40-140%
580-13-2	2-Bromonaphthalene	67%		40-140%
84-15-1	o-Terphenyl	59%		40-140%
321-60-8	2-Fluorobiphenyl	70%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-33-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-7	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	89.0
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZF05721.D	2	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	67.4	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	76%		60-124%	

(a) Petroleum hydrocarbon pattern begins before C10, and extends after C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-16-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-8	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007071.D	1	07/22/02	RM	n/a	n/a	GUV451
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.53 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	250	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	750	ug/kg	
91-20-3	Naphthalene	ND	500	ug/kg	
108-88-3	Toluene	214	750	ug/kg	J
	m,p-Xylene	225	1000	ug/kg	J
95-47-6	o-Xylene	ND	500	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3700	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2700	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	500	ug/kg	
	C5- C8 Aliphatics	ND	3700	ug/kg	
	C9- C12 Aliphatics	ND	2700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	83%		70-130%
615-59-8	2,5-Dibromotoluene	82%		70-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-16-6,8
 Lab Sample ID: F13857-8
 Matrix: SO - Soil
 Method: SW846 8015
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 90.7

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007024.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		54-143%
98-08-8	aaa-Trifluorotoluene	96%		73-120%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-16-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-8	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18388.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	440	ug/kg	
208-96-8	Acenaphthylene	ND	440	ug/kg	
120-12-7	Anthracene	ND	440	ug/kg	
56-55-3	Benzo(a)anthracene	ND	440	ug/kg	
50-32-8	Benzo(a)pyrene	ND	440	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	440	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	440	ug/kg	
218-01-9	Chrysene	ND	440	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	440	ug/kg	
206-44-0	Fluoranthene	ND	440	ug/kg	
86-73-7	Fluorene	ND	440	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	440	ug/kg	
91-57-6	2-Methylnaphthalene	ND	440	ug/kg	
91-20-3	Naphthalene	ND	440	ug/kg	
85-01-8	Phenanthrene	ND	440	ug/kg	
129-00-0	Pyrene	ND	440	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	55%		40-140%	
84-15-1	o-Terphenyl	50%		40-140%	
321-60-8	2-Fluorobiphenyl	64%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-16-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-8	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05701.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	75%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-22-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-9	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007072.D	1	07/22/02	RM	n/a	n/a	GUV451
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.29 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	209	270	ug/kg	J
100-41-4	Ethylbenzene	202	270	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	800	ug/kg	
91-20-3	Naphthalene	642	540	ug/kg	
108-88-3	Toluene	306	800	ug/kg	J
	m,p-Xylene	498	1100	ug/kg	J
95-47-6	o-Xylene	228	540	ug/kg	J
	C5- C8 Aliphatics (Unadj.)	4560	4000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	5930	2900	ug/kg	
	C9- C10 Aromatics (Unadj.)	3040	540	ug/kg	
	C5- C8 Aliphatics	4040	4000	ug/kg	
	C9- C12 Aliphatics	1950	2900	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	82%		70-130%
615-59-8	2,5-Dibromotoluene	80%		70-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-22-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-9	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007025.D	1	07/20/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.37 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	4.27	5.3	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	99%		54-143%	
98-08-8	aaa-Trifluorotoluene	95%		73-120%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-22-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-9	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18391.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	ND	450	ug/kg	
91-20-3	Naphthalene	ND	450	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	57%		40-140%
580-13-2	2-Bromonaphthalene	66%		40-140%
84-15-1	o-Terphenyl	55%		40-140%
321-60-8	2-Fluorobiphenyl	64%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-22-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-9	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05702.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	10.1	9.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	72%		60-124%	

(a) Petroleum hydrocarbon pattern extends beyond C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-14-4,6
 Lab Sample ID: F13857-10
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 91.0

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007090.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.67 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	240	ug/kg	
100-41-4	Ethylbenzene	ND	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	730	ug/kg	
91-20-3	Naphthalene	ND	490	ug/kg	
108-88-3	Toluene	345	730	ug/kg	J
	m,p-Xylene	ND	970	ug/kg	
95-47-6	o-Xylene	ND	490	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3600	ug/kg	
	C9- C12 Aliphatics (Unadj.)	9720	2700	ug/kg	
	C9- C10 Aromatics (Unadj.)	7890	490	ug/kg	
	C5- C8 Aliphatics	ND	3600	ug/kg	
	C9- C12 Aliphatics	1830	2700	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	98%		70-130%
615-59-8	2,5-Dibromotoluene	97%		70-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-14-4.6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-10	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	91.0
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007026.D	1	07/20/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	90%		54-143%	
98-08-8	aaa-Trifluorotoluene	92%		73-120%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-14-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-10	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	91.0
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18392.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	440	ug/kg	
208-96-8	Acenaphthylene	ND	440	ug/kg	
120-12-7	Anthracene	ND	440	ug/kg	
56-55-3	Benzo(a)anthracene	ND	440	ug/kg	
50-32-8	Benzo(a)pyrene	ND	440	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	440	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	440	ug/kg	
218-01-9	Chrysene	ND	440	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	440	ug/kg	
206-44-0	Fluoranthene	ND	440	ug/kg	
86-73-7	Fluorene	ND	440	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	440	ug/kg	
91-57-6	2-Methylnaphthalene	ND	440	ug/kg	
91-20-3	Naphthalene	ND	440	ug/kg	
85-01-8	Phenanthrene	ND	440	ug/kg	
129-00-0	Pyrene	ND	440	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	59%		40-140%	
84-15-1	o-Terphenyl	55%		40-140%	
321-60-8	2-Fluorobiphenyl	66%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-14-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-10	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	91.0
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZF05703.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	14.2	9.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	75%		60-124%	

(a) Petroleum hydrocarbon pattern extends beyond C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-20-4,6
 Lab Sample ID: F13857-11
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 78.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007081.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2	UV007086.D	1	07/23/02	RM	n/a	n/a	GUV452

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	10.0 ul
Run #2	5.34 g	5.0 ml	2.5 ul

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	3000	ug/kg	
100-41-4	Ethylbenzene	ND	3000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8900	ug/kg	
91-20-3	Naphthalene	5800	5900	ug/kg	J
108-88-3	Toluene	ND	8900	ug/kg	
	m,p-Xylene	8080	12000	ug/kg	J
95-47-6	o-Xylene	9890	5900	ug/kg	
	C5- C8 Aliphatics (Unadj.)	223000	45000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	977000	33000	ug/kg	
	C9- C10 Aromatics (Unadj.)	838000 ^a	24000	ug/kg	
	C5- C8 Aliphatics	223000	45000	ug/kg	
	C9- C12 Aliphatics	139000	33000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	143% ^b	0% ^b	70-130%
615-59-8	2,5-Dibromotoluene	141% ^b	0% ^b	70-130%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-20-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-11	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	78.9
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007013.D	1	07/19/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	964	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116% ^a		54-143%
460-00-4	4-Bromofluorobenzene	178% ^b		54-143%
98-08-8	aaa-Trifluorotoluene	104%		73-120%

(a) Result reported from PID.

(b) Outside control limits due to matrix interference.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-20-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-11	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	78.9
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18393.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	510	ug/kg	
208-96-8	Acenaphthylene	ND	510	ug/kg	
120-12-7	Anthracene	ND	510	ug/kg	
56-55-3	Benzo(a)anthracene	ND	510	ug/kg	
50-32-8	Benzo(a)pyrene	ND	510	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	510	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	510	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	510	ug/kg	
218-01-9	Chrysene	ND	510	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	510	ug/kg	
206-44-0	Fluoranthene	ND	510	ug/kg	
86-73-7	Fluorene	ND	510	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	510	ug/kg	
91-57-6	2-Methylnaphthalene	ND	510	ug/kg	
91-20-3	Naphthalene	3440	510	ug/kg	
85-01-8	Phenanthrene	ND	510	ug/kg	
129-00-0	Pyrene	ND	510	ug/kg	
	C11-C22 Aromatics (Unadj.)	138000	13000	ug/kg	
	C9-C18 Aliphatics	620000	13000	ug/kg	
	C11-C22 Aromatics	135000	13000	ug/kg	
	C19-C36 Aliphatics	ND	13000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	57%		40-140%
580-13-2	2-Bromonaphthalene	68%		40-140%
84-15-1	o-Terphenyl	60%		40-140%
321-60-8	2-Fluorobiphenyl	68%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-20-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-11	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	78.9
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05723.D	25	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	1010	260	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	0% ^a		60-124%	

(a) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-18-4,6
 Lab Sample ID: F13857-12
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 88.2

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007091.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.93 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	575	240	ug/kg	
100-41-4	Ethylbenzene	378	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	720	ug/kg	
91-20-3	Naphthalene	ND	480	ug/kg	
108-88-3	Toluene	1850	720	ug/kg	
	m,p-Xylene	2000	960	ug/kg	
95-47-6	o-Xylene	680	480	ug/kg	
	C5- C8 Aliphatics (Unadj.)	4920	3600	ug/kg	
	C9- C12 Aliphatics (Unadj.)	5090	2600	ug/kg	
	C9- C10 Aromatics (Unadj.)	2360	480	ug/kg	
	C5- C8 Aliphatics	2490	3600	ug/kg	J
	C9- C12 Aliphatics	ND	2600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	84%		70-130%
615-59-8	2,5-Dibromotoluene	83%		70-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-18-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-12	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.2
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007027.D	1	07/20/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	19.4	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111% ^a		54-143%
460-00-4	4-Bromofluorobenzene	210% ^b		54-143%
98-08-8	aaa-Trifluorotoluene	91%		73-120%

(a) Result reported from PID.

(b) Outside control limits due to matrix interference.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-18-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-12	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.2
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18394.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	ND	450	ug/kg	
91-20-3	Naphthalene	ND	450	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	52%		40-140%
580-13-2	2-Bromonaphthalene	63%		40-140%
84-15-1	o-Terphenyl	56%		40-140%
321-60-8	2-Fluorobiphenyl	72%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-18-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-12	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.2
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZF05705.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	14.5	9.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	75%		60-124%	

(a) Petroleum hydrocarbon pattern extends beyond C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-24-6,8		Date Sampled: 07/15/02	
Lab Sample ID: F13857-13		Date Received: 07/16/02	
Matrix: SO - Soil		Percent Solids: 93.3	
Method: MADEP VPH			
Project: Camp Lejeune-HPFF			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007092.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.53 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	300	ug/kg	
100-41-4	Ethylbenzene	ND	300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	890	ug/kg	
91-20-3	Naphthalene	ND	590	ug/kg	
108-88-3	Toluene	ND	890	ug/kg	
	m,p-Xylene	ND	1200	ug/kg	
95-47-6	o-Xylene	ND	590	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	4400	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3300	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	590	ug/kg	
	C5- C8 Aliphatics	ND	4400	ug/kg	
	C9- C12 Aliphatics	ND	3300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	90%		70-130%
615-59-8	2,5-Dibromotoluene	89%		70-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-24-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-13	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007036.D	1	07/20/02	RM	n/a	n/a	GUV449
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.66 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		54-143%	
98-08-8	aaa-Trifluorotoluene	103%		73-120%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-24-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-13	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18395.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	430	ug/kg	
208-96-8	Acenaphthylene	ND	430	ug/kg	
120-12-7	Anthracene	ND	430	ug/kg	
56-55-3	Benzo(a)anthracene	ND	430	ug/kg	
50-32-8	Benzo(a)pyrene	ND	430	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	430	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	430	ug/kg	
218-01-9	Chrysene	ND	430	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	430	ug/kg	
206-44-0	Fluoranthene	ND	430	ug/kg	
86-73-7	Fluorene	ND	430	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	430	ug/kg	
91-57-6	2-Methylnaphthalene	ND	430	ug/kg	
91-20-3	Naphthalene	ND	430	ug/kg	
85-01-8	Phenanthrene	ND	430	ug/kg	
129-00-0	Pyrene	ND	430	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	54%		40-140%	
580-13-2	2-Bromonaphthalene	65%		40-140%	
84-15-1	o-Terphenyl	56%		40-140%	
321-60-8	2-Fluorobiphenyl	72%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-24-6,8	Date Sampled:	07/15/02
Lab Sample ID:	F13857-13	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05706.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	8.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	71%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-12-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-14	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007097.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	280	ug/kg	
100-41-4	Ethylbenzene	ND	280	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	830	ug/kg	
91-20-3	Naphthalene	ND	550	ug/kg	
108-88-3	Toluene	459	830	ug/kg	J
	m,p-Xylene	315	1100	ug/kg	J
95-47-6	o-Xylene	ND	550	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	4100	ug/kg	
	C9- C12 Aliphatics (Unadj.)	1870	3000	ug/kg	J
	C9- C10 Aromatics (Unadj.)	1190	550	ug/kg	
	C5- C8 Aliphatics	ND	4100	ug/kg	
	C9- C12 Aliphatics	364	3000	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	68% ^a		70-130%
615-59-8	2,5-Dibromotoluene	66% ^a		70-130%

(a) Surrogates outside of control limits, all values should be considered estimated.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-12-4,6
Lab Sample ID: F13857-14
Matrix: SO - Soil
Method: SW846 8015
Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
Date Received: 07/16/02
Percent Solids: 87.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007037.D	1	07/20/02	RM	n/a	n/a	GUV449
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.24 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		54-143%
98-08-8	aaa-Trifluorotoluene	103%		73-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-12-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-14	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18396.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	460	ug/kg	
208-96-8	Acenaphthylene	ND	460	ug/kg	
120-12-7	Anthracene	ND	460	ug/kg	
56-55-3	Benzo(a)anthracene	ND	460	ug/kg	
50-32-8	Benzo(a)pyrene	ND	460	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	460	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	460	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	460	ug/kg	
218-01-9	Chrysene	ND	460	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	460	ug/kg	
206-44-0	Fluoranthene	ND	460	ug/kg	
86-73-7	Fluorene	ND	460	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	460	ug/kg	
91-57-6	2-Methylnaphthalene	ND	460	ug/kg	
91-20-3	Naphthalene	ND	460	ug/kg	
85-01-8	Phenanthrene	ND	460	ug/kg	
129-00-0	Pyrene	ND	460	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	58%		40-140%
580-13-2	2-Bromonaphthalene	67%		40-140%
84-15-1	o-Terphenyl	54%		40-140%
321-60-8	2-Fluorobiphenyl	67%		40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-12-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-14	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05707.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	70%		60-124%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-9-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-15	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007098.D	1	07/23/02	RM	n/a	n/a	GUV452
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.94 g	5.0 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	240	ug/kg	
100-41-4	Ethylbenzene	ND	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	720	ug/kg	
91-20-3	Naphthalene	ND	480	ug/kg	
108-88-3	Toluene	ND	720	ug/kg	
	m,p-Xylene	ND	950	ug/kg	
95-47-6	o-Xylene	ND	480	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3600	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2600	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	480	ug/kg	
	C5- C8 Aliphatics	ND	3600	ug/kg	
	C9- C12 Aliphatics	ND	2600	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
615-59-8	2,5-Dibromotoluene	81%		70-130%	
615-59-8	2,5-Dibromotoluene	80%		70-130%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-9-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-15	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007038.D	1	07/20/02	RM	n/a	n/a	GUV449
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	94%		54-143%	
98-08-8	aaa-Trifluorotoluene	101%		73-120%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-9-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-15	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	MADEP-EPH-98-1 SW846 3545		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18397.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	ND	450	ug/kg	
91-20-3	Naphthalene	ND	450	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	11000	ug/kg	
	C9-C18 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	ND	11000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	68%		40-140%	
84-15-1	o-Terphenyl	63%		40-140%	
321-60-8	2-Fluorobiphenyl	75%		40-140%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-9-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-15	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.3
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZF05722.D	1	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	33.8	9.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	77%		60-124%	

(a) Petroleum hydrocarbon pattern extends beyond C28, value may be low.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-4-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-16	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	87.9
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007082.D	50	07/23/02	RM	n/a	n/a	GUV452
Run #2	UV007087.D	50	07/23/02	RM	n/a	n/a	GUV452

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.99 g	5.0 ml	25.0 ul
Run #2	4.99 g	5.0 ml	12.5 ul

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	155000	57000	ug/kg	
100-41-4	Ethylbenzene	366000	57000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	170000	ug/kg	
91-20-3	Naphthalene	211000	110000	ug/kg	
108-88-3	Toluene	980000	170000	ug/kg	
	m,p-Xylene	1220000	230000	ug/kg	
95-47-6	o-Xylene	510000	110000	ug/kg	
	C5- C8 Aliphatics (Unadj.)	9590000	850000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	9520000	630000	ug/kg	
	C9- C10 Aromatics (Unadj.)	5450000 ^a	230000	ug/kg	
	C5- C8 Aliphatics	8460000	850000	ug/kg	
	C9- C12 Aliphatics	4070000	630000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	0% ^b	0% ^b	70-130%
615-59-8	2,5-Dibromotoluene	0% ^b	0% ^b	70-130%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-4-4,6
 Lab Sample ID: F13857-16
 Matrix: SO - Soil
 Method: SW846 8015
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 87.9

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007008.D	100	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.49 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	18000	2100	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		54-143%
98-08-8	aaa-Trifluorotoluene	105%		73-120%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-4-4,6							
Lab Sample ID: F13857-16				Date Sampled: 07/15/02			
Matrix: SO - Soil				Date Received: 07/16/02			
Method: MADEP-EPH-98-1 SW846 3545				Percent Solids: 87.9			
Project: Camp Lejeune-HPFF							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18398.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2	ST18422.D	5	07/23/02	ANJ	07/18/02	N:OP11748	N:GST584

	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2	10.0 g	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	5300	460	ug/kg	
208-96-8	Acenaphthylene	ND	460	ug/kg	
120-12-7	Anthracene	ND	460	ug/kg	
56-55-3	Benzo(a)anthracene	ND	460	ug/kg	
50-32-8	Benzo(a)pyrene	ND	460	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	460	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	460	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	460	ug/kg	
218-01-9	Chrysene	ND	460	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	460	ug/kg	
206-44-0	Fluoranthene	ND	460	ug/kg	
86-73-7	Fluorene	ND	460	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	460	ug/kg	
91-57-6	2-Methylnaphthalene	106000 ^a	2300	ug/kg	
91-20-3	Naphthalene	82500 ^a	2300	ug/kg	
85-01-8	Phenanthrene	4760	460	ug/kg	
129-00-0	Pyrene	ND	460	ug/kg	
	C11-C22 Aromatics (Unadj.)	1560000 ^a	57000	ug/kg	
	C9-C18 Aliphatics	3610000 ^a	57000	ug/kg	
	C11-C22 Aromatics	1360000 ^a	57000	ug/kg	
	C19-C36 Aliphatics	278000 ^a	57000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	63%	55%	40-140%
580-13-2	2-Bromonaphthalene	94%	123%	40-140%
84-15-1	o-Terphenyl	59%	64%	40-140%
321-60-8	2-Fluorobiphenyl	139%	78%	40-140%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-4-4,6

Lab Sample ID: F13857-16

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: SW846 8015 M SW846 3550B

Percent Solids: 87.9

Project: Camp Lejeune-HPFF

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05726.D	400	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	11200	3800	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% ^a		60-124%

(a) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-5-4,6
 Lab Sample ID: F13857-17
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 88.8

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007083.D	50	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.39 g	5.0 ml	25.0 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	81100	52000	ug/kg	
100-41-4	Ethylbenzene	245000	52000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	160000	ug/kg	
91-20-3	Naphthalene	117000	100000	ug/kg	
108-88-3	Toluene	694000	160000	ug/kg	
	m,p-Xylene	777000	210000	ug/kg	
95-47-6	o-Xylene	333000	100000	ug/kg	
	C5- C8 Aliphatics (Unadj.)	6390000	780000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	6210000	570000	ug/kg	
	C9- C10 Aromatics (Unadj.)	3740000	100000	ug/kg	
	C5- C8 Aliphatics	5620000	780000	ug/kg	
	C9- C12 Aliphatics	1120000	570000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	0% ^a		70-130%
615-59-8	2,5-Dibromotoluene	0% ^a		70-130%

(a) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-5-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-17	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.8
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007009.D	100	07/19/02	RA	n/a	n/a	GUV448
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.15 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	15600	2200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		54-143%
98-08-8	aaa-Trifluorotoluene	106%		73-120%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-5-4,6

Lab Sample ID: F13857-17

Date Sampled: 07/15/02

Matrix: SO - Soil

Date Received: 07/16/02

Method: MADEP-EPH-98-1 SW846 3545

Percent Solids: 88.8

Project: Camp Lejeune-HPFF

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18399.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2	ST18423.D	5	07/23/02	ANJ	07/18/02	N:OP11748	N:GST584

	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2	10.0 g	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	44200 ^a	2300	ug/kg	
91-20-3	Naphthalene	45000 ^a	2300	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	481000 ^a	56000	ug/kg	
	C9-C18 Aliphatics	1200000 ^a	56000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	392000 ^a	56000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	65%	57%	40-140%
580-13-2	2-Bromonaphthalene	93%	80%	40-140%
84-15-1	o-Terphenyl	59%	61%	40-140%
321-60-8	2-Fluorobiphenyl	96%	92%	40-140%

(a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-5-4,6	Date Sampled:	07/15/02
Lab Sample ID:	F13857-17	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.8
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05724.D	100	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	3610	940	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	0% ^a		60-124%	

(a) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-5-4,6D
 Lab Sample ID: F13857-18
 Matrix: SO - Soil
 Method: MADEP VPH
 Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
 Date Received: 07/16/02
 Percent Solids: 88.8

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007084.D	50	07/23/02	RM	n/a	n/a	GUV452
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.39 g	5.0 ml	12.5 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	56000	ug/kg	
100-41-4	Ethylbenzene	95300	56000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	170000	ug/kg	
91-20-3	Naphthalene	77000	110000	ug/kg	J
108-88-3	Toluene	210000	170000	ug/kg	
	m,p-Xylene	308000	220000	ug/kg	
95-47-6	o-Xylene	137000	110000	ug/kg	
	C5- C8 Aliphatics (Unadj.)	2080000	840000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	2770000	620000	ug/kg	
	C9- C10 Aromatics (Unadj.)	1680000	110000	ug/kg	
	C5- C8 Aliphatics	1870000	840000	ug/kg	
	C9- C12 Aliphatics	547000	620000	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	0% ^a		70-130%
615-59-8	2,5-Dibromotoluene	0% ^a		70-130%

(a) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: CLJ-72-S-5-4,6D
Lab Sample ID: F13857-18
Matrix: SO - Soil
Method: SW846 8015
Project: Camp Lejeune-HPFF

Date Sampled: 07/15/02
Date Received: 07/16/02
Percent Solids: 88.8

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007010.D	100	07/19/02	RA	n/a	n/a	GUV448
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.15 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	12800	2400	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		54-143%
98-08-8	aaa-Trifluorotoluene	106%		73-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CLJ-72-S-5-4,6D		Date Sampled: 07/15/02	
Lab Sample ID: F13857-18		Date Received: 07/16/02	
Matrix: SO - Soil		Percent Solids: 88.8	
Method: MADEP-EPH-98-1 SW846 3545			
Project: Camp Lejeune-HPFF			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST18400.D	1	07/20/02	ANJ	07/18/02	N:OP11748	N:GST583
Run #2	ST18424.D	5	07/23/02	ANJ	07/18/02	N:OP11748	N:GST584

Run #	Initial Weight	Final Volume
Run #1	10.0 g	2.0 ml
Run #2	10.0 g	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	450	ug/kg	
208-96-8	Acenaphthylene	ND	450	ug/kg	
120-12-7	Anthracene	ND	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	450	ug/kg	
50-32-8	Benzo(a)pyrene	ND	450	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	450	ug/kg	
218-01-9	Chrysene	ND	450	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	450	ug/kg	
206-44-0	Fluoranthene	ND	450	ug/kg	
86-73-7	Fluorene	ND	450	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	450	ug/kg	
91-57-6	2-Methylnaphthalene	33500 ^a	2300	ug/kg	
91-20-3	Naphthalene	30300 ^a	2300	ug/kg	
85-01-8	Phenanthrene	ND	450	ug/kg	
129-00-0	Pyrene	ND	450	ug/kg	
	C11-C22 Aromatics (Unadj.)	307000 ^a	56000	ug/kg	
	C9-C18 Aliphatics	635000 ^a	56000	ug/kg	
	C19-C36 Aliphatics	ND	11000	ug/kg	
	C11-C22 Aromatics	243000 ^a	56000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	50%	41%	40-140%
580-13-2	2-Bromonaphthalene	96%	83%	40-140%
84-15-1	o-Terphenyl	56%	58%	40-140%
321-60-8	2-Fluorobiphenyl	93%	95%	40-140%

(a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-5-4,6D	Date Sampled:	07/15/02
Lab Sample ID:	F13857-18	Date Received:	07/16/02
Matrix:	SO - Soil	Percent Solids:	88.8
Method:	SW846 8015 M SW846 3550B		
Project:	Camp Lejeune-HPFF		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF05725.D	100	07/23/02	NJ	07/20/02	OP5523	GZF268
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	3240	930	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% ^a		60-124%

(a) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CLJ-72-S-TB	Date Sampled:	07/15/02
Lab Sample ID:	F13857-19	Date Received:	07/16/02
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	MADEP VPH		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007101.D	1	07/24/02	RM	n/a	n/a	GUV453
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	15	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
108-88-3	Toluene	ND	15	ug/l	
	m,p-Xylene	ND	20	ug/l	
95-47-6	o-Xylene	ND	10	ug/l	
	C5- C8 Aliphatics (Unadj.)	ND	75	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	10	ug/l	
	C5- C8 Aliphatics	ND	75	ug/l	
	C9- C12 Aliphatics	ND	55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	102%		70-130%
615-59-8	2,5-Dibromotoluene	99%		70-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CLJ-72-S-TB	Date Sampled:	07/15/02
Lab Sample ID:	F13857-19	Date Received:	07/16/02
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV007045.D	1	07/20/02	RM	n/a	n/a	GUV450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	83%		74-123%	
98-08-8	aaa-Trifluorotoluene	89%		57-146%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV448-BS	UV007004.D1		07/19/02	RA	n/a	n/a	GUV448

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	21.3	107	77-128

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	54-143%
98-08-8	aaa-Trifluorotoluene	93%	73-120%

Blank Spike Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV449-BS	UV007031.D1		07/20/02	RM	n/a	n/a	GUV449

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-13, F13857-14, F13857-15

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	21.7	109	77-128

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	54-143%
98-08-8	aaa-Trifluorotoluene	97%	73-120%

Blank Spike Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV450-BS	UV007043.D1		07/20/02	RM	n/a	n/a	GUV450

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-19

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.370	93	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	74-123%
98-08-8	aaa-Trifluorotoluene	99%	57-146%

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV451-BS	UV007061.D1		07/22/02	RM	n/a	n/a	GUV451

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-5, F13857-6, F13857-7, F13857-8, F13857-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2000	2210	111	70-130
100-41-4	Ethylbenzene	2000	2570	129	70-130
1634-04-4	Methyl Tert Butyl Ether	2000	2320	116	70-130
91-20-3	Naphthalene	2000	2290	115	70-130
108-88-3	Toluene	2000	2480	124	70-130
	m,p-Xylene	4000	5010	125	70-130
95-47-6	o-Xylene	2000	2460	123	70-130
1330-20-7	Xylenes (total)	6000	7470	125	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
615-59-8	2,5-Dibromotoluene	124%	70-130%
615-59-8	2,5-Dibromotoluene	124%	70-130%

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV452-BS	UV007077.D1		07/23/02	RM	n/a	n/a	GUV452

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-1, F13857-2, F13857-3, F13857-4, F13857-7, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2000	2000	100	70-130
100-41-4	Ethylbenzene	2000	2410	121	70-130
1634-04-4	Methyl Tert Butyl Ether	2000	2010	101	70-130
91-20-3	Naphthalene	2000	2180	109	70-130
108-88-3	Toluene	2000	2270	114	70-130
	m,p-Xylene	4000	4660	117	70-130
95-47-6	o-Xylene	2000	2270	114	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
615-59-8	2,5-Dibromotoluene	118%	70-130%
615-59-8	2,5-Dibromotoluene	117%	70-130%

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV453-BS	UV007099.D1		07/24/02	RM	n/a	n/a	GUV453

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	40	35.7	89	70-130
100-41-4	Ethylbenzene	40	39.6	99	70-130
1634-04-4	Methyl Tert Butyl Ether	40	41.6	104	70-130
91-20-3	Naphthalene	40	39.2	98	70-130
108-88-3	Toluene	40	38.7	97	70-130
	m,p-Xylene	80	75.3	94	70-130
95-47-6	o-Xylene	40	38.4	96	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
615-59-8	2,5-Dibromotoluene	90%	70-130%
615-59-8	2,5-Dibromotoluene	86%	70-130%

Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13843-2DUP	UV007050.D1		07/20/02	RM	n/a	n/a	GUV450
F13843-2	UV007047.D1		07/20/02	RM	n/a	n/a	GUV450

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-19

CAS No.	Compound	F13843-2 mg/l	DUP Q	mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	0.133		0.138		4	20

CAS No.	Surrogate Recoveries	DUP	F13843-2	Limits
460-00-4	4-Bromofluorobenzene	91%	93%	74-123%
98-08-8	aaa-Trifluorotoluene	143%	138%	57-146%

Duplicate Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-13DUP	UV007093.D1		07/23/02	RM	n/a	n/a	GUV452
F13857-13	UV007092.D1		07/23/02	RM	n/a	n/a	GUV452

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-1, F13857-2, F13857-3, F13857-4, F13857-7, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13857-13 ug/kg	DUP Q	ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	
100-41-4	Ethylbenzene	ND		ND		nc	
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	
91-20-3	Naphthalene	ND		ND		nc	
108-88-3	Toluene	ND		ND		nc	
	m,p-Xylene	ND		ND		nc	
95-47-6	o-Xylene	ND		ND		nc	
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	
	C5- C8 Aliphatics	ND		ND		nc	
	C9- C12 Aliphatics	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F13857-13	Limits
615-59-8	2,5-Dibromotoluene	91%	90%	70-130%
615-59-8	2,5-Dibromotoluene	90%	89%	70-130%

Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-15DUP	UV007042.D1		07/20/02	RM	n/a	n/a	GUV449
F13857-15	UV007038.D1		07/20/02	RM	n/a	n/a	GUV449

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-13, F13857-14, F13857-15

CAS No.	Compound	F13857-15 mg/kg	DUP Q	mg/kg	Q	RPD	Limits
	TPH-GRO (C6-C10)	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	F13857-15	Limits
460-00-4	4-Bromofluorobenzene	89%	94%	54-143%
98-08-8	aaa-Trifluorotoluene	95%	101%	73-120%

Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-3DUP	UV007017.D1		07/19/02	RA	n/a	n/a	GUV448
F13857-3	UV007016.D1		07/19/02	RA	n/a	n/a	GUV448

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13857-3 mg/kg	DUP Q	mg/kg	Q	RPD	Limits
	TPH-GRO (C6-C10)	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	F13857-3	Limits
460-00-4	4-Bromofluorobenzene	89%	91%	54-143%
98-08-8	aaa-Trifluorotoluene	95%	97%	73-120%

Duplicate Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-7DUP	UV007065.D1		07/22/02	RM	n/a	n/a	GUV451
F13857-7	UV007064.D1		07/22/02	RM	n/a	n/a	GUV451

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-5, F13857-6, F13857-7, F13857-8, F13857-9

CAS No.	Compound	F13857-7 ug/kg	DUP Q	Q	RPD	Limits
71-43-2	Benzene	515	512	1		
100-41-4	Ethylbenzene	786	801	2		
1634-04-4	Methyl Tert Butyl Ether	ND	ND	nc		
91-20-3	Naphthalene	1910	2070	8		
108-88-3	Toluene	1030	1020	1		
	m,p-Xylene	2450	2500	2		
95-47-6	o-Xylene	661	665	1		
1330-20-7	Xylenes (total)	3110	3170	2		
	C5- C8 Aliphatics (Unadj.)	23400	22200	5		
	C9- C12 Aliphatics (Unadj.)	44400	44000	1		
	C9- C10 Aromatics (Unadj.)	26700	E 27100	E 1		
	Total VPH (Unadjusted)	94600	93300	1		
	C5- C8 Aliphatics	21900	20600	6		
	C9- C12 Aliphatics	19600	12900	7		
	Total VPH	62400	60600	3		

CAS No.	Surrogate Recoveries	DUP	F13857-7	Limits
615-59-8	2,5-Dibromotoluene	99%	89%	70-130%
615-59-8	2,5-Dibromotoluene	98%	87%	70-130%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV448-MB	UV007005.D1		07/19/02	RA	n/a	n/a	GUV448

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	54-143%
98-08-8	aaa-Trifluorotoluene	102%	73-120%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV449-MB	UV007032.D1		07/20/02	RM	n/a	n/a	GUV449

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-13, F13857-14, F13857-15

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	54-143%
98-08-8	aaa-Trifluorotoluene	104%	73-120%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV450-MB	UV007044.D1		07/20/02	RM	n/a	n/a	GUV450

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-19

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	74-123%
98-08-8	aaa-Trifluorotoluene	93%	57-146%

Method Blank Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV451-MB	UV007060.D1		07/22/02	RM	n/a	n/a	GUV451

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-5, F13857-6, F13857-7, F13857-8, F13857-9

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	250	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	750	ug/kg	
91-20-3	Naphthalene	ND	500	ug/kg	
108-88-3	Toluene	ND	750	ug/kg	
	m,p-Xylene	ND	1000	ug/kg	
95-47-6	o-Xylene	ND	500	ug/kg	
1330-20-7	Xylenes (total)	ND	1000	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3800	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	500	ug/kg	
	Total VPH (Unadjusted)	ND	1000	ug/kg	
	C5- C8 Aliphatics	ND	3800	ug/kg	
	C9- C12 Aliphatics	ND	2800	ug/kg	
	Total VPH	ND	1000	ug/kg	

CAS No.	Surrogate Recoveries		Limits
615-59-8	2,5-Dibromotoluene	108%	70-130%
615-59-8	2,5-Dibromotoluene	107%	70-130%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV452-MB	UV007076.D1		07/23/02	RM	n/a	n/a	GUV452

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-1, F13857-2, F13857-3, F13857-4, F13857-7, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	250	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	750	ug/kg	
91-20-3	Naphthalene	ND	500	ug/kg	
108-88-3	Toluene	ND	750	ug/kg	
	m,p-Xylene	ND	1000	ug/kg	
95-47-6	o-Xylene	ND	500	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	3800	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	500	ug/kg	
	C5- C8 Aliphatics	ND	3800	ug/kg	
	C9- C12 Aliphatics	ND	2800	ug/kg	

CAS No.	Surrogate Recoveries		Limits
615-59-8	2,5-Dibromotoluene	119%	70-130%
615-59-8	2,5-Dibromotoluene	119%	70-130%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV453-MB	UV007100.D1		07/24/02	RM	n/a	n/a	GUV453

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-19

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	15	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
108-88-3	Toluene	ND	15	ug/l	
	m,p-Xylene	ND	20	ug/l	
95-47-6	o-Xylene	ND	10	ug/l	
	C5- C8 Aliphatics (Unadj.)	ND	75	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	10	ug/l	
	C5- C8 Aliphatics	ND	75	ug/l	
	C9- C12 Aliphatics	ND	55	ug/l	

CAS No.	Surrogate Recoveries		Limits
615-59-8	2,5-Dibromotoluene	92%	70-130%
615-59-8	2,5-Dibromotoluene	89%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13843-2MS	UV007048.D1		07/20/02	RM	n/a	n/a	GUV450
F13843-2MSD	UV007049.D1		07/20/02	RM	n/a	n/a	GUV450
F13843-2	UV007047.D1		07/20/02	RM	n/a	n/a	GUV450

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-19

CAS No.	Compound	F13843-2 mg/l	Spike Q mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.133	0.4	0.562	107	0.530	99	6	59-130/20

CAS No.	Surrogate Recoveries	MS	MSD	F13843-2	Limits
460-00-4	4-Bromofluorobenzene	93%	91%	93%	74-123%
98-08-8	aaa-Trifluorotoluene	137%	133%	138%	57-146%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-13MS	UV007094.D1		07/23/02	RM	n/a	n/a	GUV452
F13857-13MSD	UV007095.D1		07/23/02	RM	n/a	n/a	GUV452
F13857-13	UV007092.D1		07/23/02	RM	n/a	n/a	GUV452

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-1, F13857-2, F13857-3, F13857-4, F13857-7, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13857-13 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		2370	2270	96	2350	99	3	70-130/50
100-41-4	Ethylbenzene	ND		2370	2590	109	2660	112	3	70-130/50
1634-04-4	Methyl Tert Butyl Ether	ND		2370	2600	110	2660	112	2	70-130/50
91-20-3	Naphthalene	ND		2370	2580	109	2630	111	2	70-130/50
108-88-3	Toluene	ND		2370	2500	106	2570	109	3	70-130/50
	m,p-Xylene	ND		4740	4920	104	5060	107	3	70-130/50
95-47-6	o-Xylene	ND		2370	2490	105	2550	108	2	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F13857-13	Limits
615-59-8	2,5-Dibromotoluene	99%	93%	90%	70-130%
615-59-8	2,5-Dibromotoluene	98%	91%	89%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-15MS	UV007039.D1		07/20/02	RM	n/a	n/a	GUV449
F13857-15MSD	UV007040.D1		07/20/02	RM	n/a	n/a	GUV449
F13857-15	UV007038.D1		07/20/02	RM	n/a	n/a	GUV449

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-13, F13857-14, F13857-15

CAS No.	Compound	F13857-15 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		20.1	21.3	106	21.7	108	2	69-128/20

CAS No.	Surrogate Recoveries	MS	MSD	F13857-15	Limits
460-00-4	4-Bromofluorobenzene	94%	95%	94%	54-143%
98-08-8	aaa-Trifluorotoluene	100%	105%	101%	73-120%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-3MS	UV007018.D1		07/19/02	RA	n/a	n/a	GUV448
F13857-3MSD	UV007019.D1		07/19/02	RA	n/a	n/a	GUV448
F13857-3	UV007016.D1		07/19/02	RA	n/a	n/a	GUV448

The QC reported here applies to the following samples:

Method: SW846 8015

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13857-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		18.4	18.8	102	17.2	93	9	69-128/20

CAS No.	Surrogate Recoveries	MS	MSD	F13857-3	Limits
460-00-4	4-Bromofluorobenzene	98%	87%	91%	54-143%
98-08-8	aaa-Trifluorotoluene	104%	97%	97%	73-120%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F13857-7MS	UV007066.D1		07/22/02	RM	n/a	n/a	GUV451
F13857-7MSD	UV007067.D1		07/22/02	RM	n/a	n/a	GUV451
F13857-7	UV007064.D1		07/22/02	RM	n/a	n/a	GUV451

The QC reported here applies to the following samples:

Method: MADEP VPH

F13857-5, F13857-6, F13857-7, F13857-8, F13857-9

CAS No.	Compound	F13857-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	515		1940	2200	87	2340	94	6	70-130/50
100-41-4	Ethylbenzene	786		1940	2690	98	2910	110	8	70-130/50
1634-04-4	Methyl Tert Butyl Ether	ND		1940	1980	102	2110	109	6	70-130/50
91-20-3	Naphthalene	1910		1940	3630	89	3930	104	8	70-130/50
108-88-3	Toluene	1030		1940	2800	91	2950	99	5	70-130/50
	m,p-Xylene	2450		3870	6060	93	6500	105	7	70-130/50
95-47-6	o-Xylene	661		1940	2460	93	2670	104	8	70-130/50
1330-20-7	Xylenes (total)	3110		5810	8520	93	9170	104	7	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F13857-7	Limits
615-59-8	2,5-Dibromotoluene	84%	83%	89%	70-130%
615-59-8	2,5-Dibromotoluene	83%	81%	87%	70-130%

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: MADEP VPH

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
F13857-19	UV007101.D	102.0	99.0
GUV453-BS	UV007099.D	90.0	86.0
GUV453-MB	UV007100.D	92.0	89.0

Surrogate Compounds	Recovery Limits
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S1 = 2,5-Dibromotoluene	70-130%
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(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

Volatile Surrogate Recovery Summary

Page 1 of 2

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: MADEP VPH

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
F13857-1	UV007078.D	102.0	98.0
F13857-2	UV007080.D	133.0* ^c	129.0
F13857-3	UV007088.D	102.0	101.0
F13857-4	UV007089.D	99.0	98.0
F13857-5	UV007069.D	95.0	94.0
F13857-6	UV007070.D	94.0	93.0
F13857-7	UV007079.D	96.0	92.0
F13857-7	UV007064.D	89.0	87.0
F13857-8	UV007071.D	83.0	82.0
F13857-9	UV007072.D	82.0	80.0
F13857-10	UV007090.D	98.0	97.0
F13857-11	UV007086.D	0.0* ^c	0.0* ^c
F13857-11	UV007081.D	143.0* ^c	141.0* ^c
F13857-12	UV007091.D	84.0	83.0
F13857-13	UV007092.D	90.0	89.0
F13857-14	UV007097.D	68.0* ^d	66.0* ^d
F13857-15	UV007098.D	81.0	80.0
F13857-16	UV007087.D	0.0* ^c	0.0* ^c
F13857-16	UV007082.D	0.0* ^c	0.0* ^c
F13857-17	UV007083.D	0.0* ^c	0.0* ^c
F13857-18	UV007084.D	0.0* ^c	0.0* ^c
F13857-13DUP	UV007093.D	91.0	90.0
F13857-13MS	UV007094.D	99.0	98.0
F13857-13MSD	UV007095.D	93.0	91.0
F13857-7DUP	UV007065.D	99.0	98.0
F13857-7MS	UV007066.D	84.0	83.0
F13857-7MSD	UV007067.D	83.0	81.0
GUV451-BS	UV007061.D	124.0	124.0
GUV451-MB	UV007060.D	108.0	107.0
GUV452-BS	UV007077.D	118.0	117.0
GUV452-MB	UV007076.D	119.0	119.0

Surrogate
Compounds

Recovery
Limits

S1 = 2,5-Dibromotoluene 70-130%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

(c) Outside control limits due to dilution.

Volatile Surrogate Recovery Summary

Page 2 of 2

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: MADEP VPH

Matrix: SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits
------------------------	--------------------

(d) Surrogates outside of control limits, all values should be considered estimated.

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: SW846 8015

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S2 ^a
F13857-19	UV007045.D	83.0	89.0
F13843-2DUP	UV007050.D	91.0	143.0
F13843-2MS	UV007048.D	93.0	137.0
F13843-2MSD	UV007049.D	91.0	133.0
GUV450-BS	UV007043.D	92.0	99.0
GUV450-MB	UV007044.D	82.0	93.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = 4-Bromofluorobenzene 74-123%

S2 = aaa-Trifluorotoluene 57-146%

(a) Recovery from GC signal #2

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: SW846 8015

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^b
F13857-1	UV007015.D		113.0	105.0
F13857-2	UV007014.D		110.0	105.0
F13857-3	UV007016.D		91.0	97.0
F13857-4	UV007020.D		89.0	101.0
F13857-5	UV007021.D		94.0	101.0
F13857-6	UV007023.D		89.0	96.0
F13857-7	UV007012.D	114.0 ^c	148.0* ^d	108.0
F13857-8	UV007024.D		90.0	96.0
F13857-9	UV007025.D		99.0	95.0
F13857-10	UV007026.D		90.0	92.0
F13857-11	UV007013.D	116.0 ^c	178.0* ^d	104.0
F13857-12	UV007027.D	111.0 ^c	210.0* ^d	91.0
F13857-13	UV007036.D		93.0	103.0
F13857-14	UV007037.D		95.0	103.0
F13857-15	UV007038.D		94.0	101.0
F13857-16	UV007008.D		113.0	105.0
F13857-17	UV007009.D		105.0	106.0
F13857-18	UV007010.D		109.0	106.0
F13857-15DUP	UV007042.D		89.0	95.0
F13857-15MS	UV007039.D		94.0	100.0
F13857-15MSD	UV007040.D		95.0	105.0
F13857-3DUP	UV007017.D		89.0	95.0
F13857-3MS	UV007018.D		98.0	104.0
F13857-3MSD	UV007019.D		87.0	97.0
GUV448-BS	UV007004.D		97.0	93.0
GUV448-MB	UV007005.D		92.0	102.0
GUV449-BS	UV007031.D		106.0	97.0
GUV449-MB	UV007032.D		96.0	104.0

Surrogate
Compounds

Recovery
Limits

S1 = 4-Bromofluorobenzene

54-143%

S2 = aaa-Trifluorotoluene

73-120%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

(c) Result reported from PID.

(d) Outside control limits due to matrix interference.

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV448-CC423	Injection Date:	07/19/02
Lab File ID:	UV007003.D	Injection Time:	08:56
Instrument ID:	GCUV	Method:	SW846 8015

S1 ^a S2 ^a
RT RT

Check Std	19.15	13.43
-----------	-------	-------

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S2 ^a RT
GUV448-BS	UV007004.D	07/19/02	09:32	19.13	13.40
GUV448-MB	UV007005.D	07/19/02	10:09	19.15	13.42
F13857-16	UV007008.D	07/19/02	13:48	19.13	13.41
F13857-17	UV007009.D	07/19/02	14:25	19.11	13.39
F13857-18	UV007010.D	07/19/02	15:01	19.12	13.39

Surrogate
Compounds

S1 = 4-Bromofluorobenzene

S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std: GUV448-CC423	Injection Date: 07/19/02
Lab File ID: UV007011.D	Injection Time: 15:37
Instrument ID: GCUV	Method: SW846 8015

S1 ^a	S1 ^b	S2 ^b
RT	RT	RT

Check Std	19.12	19.13	13.40
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^b RT
F13857-7	UV007012.D	07/19/02	16:13	19.13	19.13	13.41
F13857-11	UV007013.D	07/19/02	16:50	19.12	19.13	13.39
F13857-2	UV007014.D	07/19/02	17:26		19.14	13.41
F13857-1	UV007015.D	07/19/02	18:02		19.13	13.40
F13857-3	UV007016.D	07/19/02	18:39		19.12	13.39
F13857-3DUP	UV007017.D	07/19/02	19:15		19.14	13.41
F13857-3MS	UV007018.D	07/19/02	19:51		19.14	13.41
F13857-3MSD	UV007019.D	07/19/02	20:28		19.03	13.34
F13857-4	UV007020.D	07/19/02	21:04		18.92	13.25
F13857-5	UV007021.D	07/19/02	21:41		18.92	13.25

Surrogate Compounds

S1 = 4-Bromofluorobenzene

S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std: GUV448-CC423	Injection Date: 07/19/02
Lab File ID: UV007022.D	Injection Time: 22:17
Instrument ID: GCUV	Method: SW846 8015

				S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std				18.96	18.96	13.27	13.27
Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
F13857-6	UV007023.D	07/19/02	22:53		19.00		13.31
F13857-8	UV007024.D	07/19/02	23:30		19.03		13.33
F13857-9	UV007025.D	07/20/02	00:06		19.07		13.35
F13857-10	UV007026.D	07/20/02	00:42		19.08		13.37
F13857-12	UV007027.D	07/20/02	01:18	19.07	19.08		13.36
GUV448-ECC423	UV007028.D	07/20/02	01:55	19.09	19.09	13.37	13.37

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

- (a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV449-CC423	Injection Date:	07/20/02
Lab File ID:	UV007030.D	Injection Time:	09:38
Instrument ID:	GCUV	Method:	SW846 8015

S1 ^a S2 ^a
RT RT

Check Std	19.16	13.44
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S2 ^a RT
GUV449-BS	UV007031.D	07/20/02	10:14	19.11	13.38
GUV449-MB	UV007032.D	07/20/02	10:50	19.13	13.40
ZZZZZZ	UV007033.D	07/20/02	11:27	19.12	13.41
ZZZZZZ	UV007034.D	07/20/02	12:03	19.09	13.38
ZZZZZZ	UV007035.D	07/20/02	12:40	18.99	13.31
F13857-13	UV007036.D	07/20/02	13:16	18.88	13.24
F13857-14	UV007037.D	07/20/02	13:52	18.88	13.22
F13857-15	UV007038.D	07/20/02	14:29	18.92	13.25
F13857-15MS	UV007039.D	07/20/02	15:05	18.95	13.27
F13857-15MSD	UV007040.D	07/20/02	15:41	19.01	13.31

Surrogate
Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std: GUV449-CC423	Injection Date: 07/20/02
Lab File ID: UV007041.D	Injection Time: 16:18
Instrument ID: GCUV	Method: SW846 8015

S1 ^a	S1 ^b	S2 ^a	S2 ^b
RT	RT	RT	RT

Check Std	19.03	19.03	13.33	13.33
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
F13857-15DUP	UV007042.D	07/20/02	16:54		19.07		13.36
GUV450-BS	UV007043.D	07/20/02	17:30		19.10		13.37
GUV450-MB	UV007044.D	07/20/02	18:06		19.11		13.38
F13857-19	UV007045.D	07/20/02	18:43		19.13		13.41
ZZZZZZ	UV007046.D	07/20/02	19:19		19.05		13.34
F13843-2	UV007047.D	07/20/02	19:55		19.01		13.32
F13843-2MS	UV007048.D	07/20/02	20:32		19.05		13.35
F13843-2MSD	UV007049.D	07/20/02	21:08		19.08		13.37
F13843-2DUP	UV007050.D	07/20/02	21:44		19.12		13.41
GUV450-ECC423	UV007051.D	07/20/02	22:20	19.15	19.15	13.41	13.41

Surrogate
Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
 Account: ITVAVAB Shaw E & I, Inc.
 Project: Camp Lejeune-HPFF

Check Std:	GUV451-CC451	Injection Date:	07/22/02
Lab File ID:	UV007068.D	Injection Time:	21:03
Instrument ID:	GCUV	Method:	MADEP VPH

S1 ^a S1 ^b
 RT RT

Check Std	30.68	30.68
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
F13857-5	UV007069.D	07/22/02	21:40	30.69	30.69
F13857-6	UV007070.D	07/22/02	22:17	30.66	30.66
F13857-8	UV007071.D	07/22/02	22:54	30.70	30.70
F13857-9	UV007072.D	07/22/02	23:31	30.70	30.70
GUV451-ECC451	UV007073.D	07/23/02	00:08	30.60	30.60

Surrogate
Compounds

S1 = 2,5-Dibromotoluene

(a) Retention time from GC signal #1
 (b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV452-CC451	Injection Date:	07/23/02
Lab File ID:	UV007074.D	Injection Time:	08:00
Instrument ID:	GCUV	Method:	MADEP VPH

S1^a S1^b
RT RT

Check Std	30.73	30.73
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
GUV452-MB	UV007076.D	07/23/02	09:14	30.60	30.60
GUV452-BS	UV007077.D	07/23/02	10:41	30.65	30.65
F13857-1	UV007078.D	07/23/02	11:32	30.61	30.61
F13857-7	UV007079.D	07/23/02	12:09	30.66	30.66
F13857-2	UV007080.D	07/23/02	12:46	30.66	30.66
F13857-11	UV007081.D	07/23/02	13:23	30.59	30.60
F13857-16	UV007082.D	07/23/02	14:00	30.60	30.60
F13857-17	UV007083.D	07/23/02	14:38	0.00	0.00
F13857-18	UV007084.D	07/23/02	15:15	30.62	30.62

Surrogate
Compounds

S1 = 2,5-Dibromotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV452-CC451	Injection Date:	07/23/02
Lab File ID:	UV007085.D	Injection Time:	15:52
Instrument ID:	GCUV	Method:	MADEP VPH

S1^a S1^b
RT RT

Check Std	30.61	30.61
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
F13857-11	UV007086.D	07/23/02	16:29	30.65	30.65
F13857-16	UV007087.D	07/23/02	17:07	30.64	30.64
F13857-3	UV007088.D	07/23/02	17:44	30.63	30.63
F13857-4	UV007089.D	07/23/02	18:21	30.63	30.63
F13857-10	UV007090.D	07/23/02	18:58	30.66	30.66
F13857-12	UV007091.D	07/23/02	19:35	30.67	30.67
F13857-13	UV007092.D	07/23/02	20:12	30.65	30.65
F13857-13DUP	UV007093.D	07/23/02	20:49	30.68	30.68
F13857-13MS	UV007094.D	07/23/02	21:26	30.68	30.68
F13857-13MSD	UV007095.D	07/23/02	22:03	30.67	30.67

Surrogate
Compounds

S1 = 2,5-Dibromotoluene

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV452-CC451	Injection Date:	07/23/02
Lab File ID:	UV007096.D	Injection Time:	22:40
Instrument ID:	GCUV	Method:	MADEP VPH

S1 ^a S1 ^b
RT RT

Check Std	30.67	30.67
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
F13857-14	UV007097.D	07/23/02	23:18	30.66	30.66
F13857-15	UV007098.D	07/23/02	23:55	30.69	30.69
GUV453-BS	UV007099.D	07/24/02	00:32	30.67	30.67
GUV453-MB	UV007100.D	07/24/02	01:09	30.68	30.68
F13857-19	UV007101.D	07/24/02	01:46	30.67	30.67
GUV453-ECC451	UV007102.D	07/24/02	02:23	30.69	30.69

Surrogate
Compounds

S1 = 2,5-Dibromotoluene

- (a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GUV451-ICC451	Injection Date:	07/22/02
Lab File ID:	UV007055.D	Injection Time:	12:14
Instrument ID:	GCUV	Method:	MADEP VPH

S1 ^a	S1 ^b
RT	RT

Check Std	30.62	30.62
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
GUV451-MB	UV007060.D	07/22/02	16:06	30.62	30.62
GUV451-BS	UV007061.D	07/22/02	16:43	30.66	30.66
F13857-7	UV007064.D	07/22/02	18:35	30.71	30.71
F13857-7DUP	UV007065.D	07/22/02	19:12	30.69	30.70
F13857-7MS	UV007066.D	07/22/02	19:49	30.66	30.66
F13857-7MSD	UV007067.D	07/22/02	20:26	30.64	30.64

Surrogate
Compounds

S1 = 2,5-Dibromotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F13857
 Account: ITVAVAB Shaw E & I, Inc.
 Project: Camp Lejeune-HPFF

Sample: GUV423-ICC423
 Lab FileID: UV006567.D

Page 1 of 1

Response Factor Report VOA4

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
 Title : Gasoline Range Organics SW8015/OA-1
 Last Update : Fri May 24 14:15:49 2002
 Response via : Initial Calibration

Calibration Files

1 =UV006565.D 2 =UV006566.D 3 =UV006567.D
 4 =UV006568.D 5 =UV006569.D 6 =UV006570.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S a,a,a-TFT	1.409	1.313	1.398	1.322	1.360	1.303	1.351	E3 3.35
2) S BFB	3.854	3.827	3.675	3.786	3.766	3.786	3.782	E3 1.63

Signal #2 Calibration Files

1 =UV006565.D 2 =UV006566.D 3 =UV006567.D
 4 =UV006568.D 5 =UV006569.D 6 =UV006570.D

Compound	1	2	3	4	5	6	Avg	%RSD
4) S a,a,a-TFT #2	4.319	3.989	3.910	3.877	3.694	4.895	4.114	E4 10.55
5) S BFB #2	3.125	3.057	3.094	3.072	3.111	3.118	3.096	E4 0.87
6) H TPH-GR0 (C6-C10)	5.673	4.382	4.177	3.884	3.731	3.688	4.256	E4 17.48

Average % RSD = 6.8

(#) = Out of Range

GR0.M

Tue May 28 08:15:13 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV448-CC423
Lab FileID: UV007003.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\071902\UV007003.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\2\DATA\071902\UV007003.D\FID2A.CH
Acq On : 19 Jul 2002 8:56 am Operator: RondaM
Sample : CC423-400 Inst : VOA4
Misc : gc1863,guv448,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Sat Jul 20 08:33:45 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S	a,a,a-TFT	20.000	21.116	-5.6	102	0.12
2 S	BFB	20.000	19.994	0.0	103	0.15

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S	a,a,a-TFT #2	20.000	19.159	4.2	101	0.12
5 S	BFB #2	20.000	19.196	4.0	96	0.15
6 H	TPH-GR0 (C6-C10)	400.000	411.952	-3.0	99	0.18

Average % D = 3.4

(#) = Out of Range
UV006567.D GR0.M

SPCC's out = 0 CCC's out = 0
Sat Jul 20 09:21:26 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV448-CC423
Lab FileID: UV007011.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\071902\UV007011.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\2\DATA\071902\UV007011.D\FID2A.CH
Acq On : 19 Jul 2002 3:37 pm Operator: RondaM
Sample : CC423-600 Inst : VOA4
Misc : gc1863,guv448,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Sat Jul 20 08:33:45 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S a,a,a-TFT	20.000	21.555	-7.8	110	0.10
2 S BFB	20.000	20.567	-2.8	103	0.13

Signal #2

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S a,a,a-TFT #2	20.000	21.326	-6.6	113	0.10
5 S BFB #2	20.000	19.877	0.6	100	0.13
6 H TPH-GR0 (C6-C10)	600.000	612.609	-2.1	101	0.18

Average % D = 4.0

(#) = Out of Range
UV006568.D GR0.M

SPCC's out = 0 CCC's out = 0
Sat Jul 20 09:21:07 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV448-CC423
Lab FileID: UV007022.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\071902\UV007022.D\FID1B.CH Vial: 2
Signal #2 : C:\HPCHEM\2\DATA\071902\UV007022.D\FID2A.CH
Acq On : 19 Jul 2002 10:17 pm Operator: RondaM
Sample : CC423-400 Inst : VOA4
Misc : gc1863, guv448, 5.66, , 100, 5, 1, soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Sat Jul 20 08:33:45 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S	a, a, a-TFT	20.000	19.775	1.1	96	-0.03
2 S	BFB	20.000	18.985	5.1	98	-0.04

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S	a, a, a-TFT #2	20.000	20.021	-0.1	105	-0.03
5 S	BFB #2	20.000	18.131	9.3	91	-0.04
6 H	TPH-GRO (C6-C10)	400.000	369.551	7.6	90	0.18

Average % D = 4.7

(#) = Out of Range
UV006567.D GR0.M

SPCC's out = 0 CCC's out = 0
Sat Jul 20 09:21:27 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV448-ECC423
Lab FileID: UV007028.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\071902\UV007028.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\2\DATA\071902\UV007028.D\FID2A.CH
Acq On : 20 Jul 2002 1:55 am Operator: RondaM
Sample : ECC423-400 Inst : VOA4
Misc : gc1863,guv448,5.59,,100,5,1,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GRO.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Sat Jul 20 08:33:45 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S	a,a,a-TFT	20.000	18.102	9.5	87	0.07
2 S	BFB	20.000	18.059	9.7	93	0.09

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S	a,a,a-TFT #2	20.000	18.370	8.1	97	0.07
5 S	BFB #2	20.000	18.283	8.6	91	0.09
6 H	TPH-GRO (C6-C10)	400.000	369.285	7.7	90	0.00

Average % D = 8.7

(#) = Out of Range
UV006567.D GRO.M

SPCC's out = 0 CCC's out = 0
Sat Jul 20 09:21:28 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV449-CC423
Lab FileID: UV007030.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072002\UV007030.D\FID1B.CH Vial: 10
Signal #2 : C:\HPCHEM\2\DATA\072002\UV007030.D\FID2A.CH
Acq On : 20 Jul 2002 9:38 am Operator: RondaM
Sample : CC423-400 Inst : VOA4
Misc : gc1863,guv449,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Mon Jul 22 09:31:15 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S a,a,a-TFT	20.000	22.860	-14.3#	110	0.10
2 S BFB	20.000	21.154	-5.8	109	0.13

Signal #2

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S a,a,a-TFT #2	20.000	20.080	-0.4	106	0.11
5 S BFB #2	20.000	20.253	-1.3	101	0.13
6 H TPH-GRO (C6-C10)	400.000	403.052	-0.8	97	0.00

Average % D = 4.5

(#) = Out of Range
UV006567.D GR0.M

SPCC's out = 0 CCC's out = 0
Mon Jul 22 10:01:17 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV449-CC423
Lab FileID: UV007041.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072002\UV007041.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\2\DATA\072002\UV007041.D\FID2A.CH
Acq On : 20 Jul 2002 4:18 pm Operator: RondaM
Sample : CC423-400 Inst : VOA4
Misc : gc1863,guv449,.... Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Mon Jul 22 09:31:15 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S a,a,a-TFT	20.000	20.948	-4.7	101	0.00
2 S BFB	20.000	19.356	3.2	100	0.00

Signal #2

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S a,a,a-TFT #2	20.000	20.783	-3.9	109	0.00
5 S BFB #2	20.000	18.460	7.7	92	0.00
6 H TPH-GRO (C6-C10)	400.000	383.697	4.1	93	0.00

Average % D = 4.7

(#) = Out of Range
UV006567.D GR0.M

SPCC's out = 0 CCC's out = 0
Mon Jul 22 10:01:18 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV450-ECC423
Lab FileID: UV007051.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072002\UV007051.D\FID1B.CH Vial: 15
Signal #2 : C:\HPCHEM\2\DATA\072002\UV007051.D\FID2A.CH
Acq On : 20 Jul 2002 10:20 pm Operator: RondaM
Sample : ECC423-600 Inst : VOA4
Misc : gc1880,guv450,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GR0.M (Chemstation Integrator)
Title : Gasoline Range Organics SW8015/OA-1
Last Update : Mon Jul 22 09:31:15 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 10% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 S	a,a,a-TFT	20.000	18.748	6.3	96	0.08
2 S	BFB	20.000	17.414	12.9#	87	0.12

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
4 S	a,a,a-TFT #2	20.000	18.451	7.7	98	0.08
5 S	BFB #2	20.000	16.910	15.5#	85	0.12
6 H	TPH-GR0 (C6-C10)	600.000	547.593	8.7	91	0.00

Average % D = 10.2

(#) = Out of Range
UV006568.D GR0.M

SPCC's out = 0 CCC's out = 0
Mon Jul 22 10:01:42 2002 CDUV

Initial Calibration Summary

Page 1 of 1

Job Number: F13857
 Account: ITVAVAB Shaw E & I, Inc.
 Project: Camp Lejeune-HPFF

Sample: GUV451-ICC451
 Lab FileID: UV007055.D

Response Factor Report VOA4

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
 Title : Mass. DEP VPH
 Last Update : Mon Jul 22 17:17:48 2002
 Response via : Initial Calibration

Calibration Files

1 =UV007053.D 2 =UV007054.D 3 =UV007055.D
 4 =UV007056.D 5 =UV007057.D 6 =UV007058.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Methyl tert butyl e	9.758	7.413	7.812	7.463	7.254	7.033	7.789 E2	12.82
2)	Benzene	4.795	3.015	3.315	3.022	2.935	2.978	3.343 E3	21.65
3)	Toluene	4.814	3.364	3.578	3.308	3.255	3.254	3.595 E3	16.94
4)	Ethylbenzene		3.676	3.970	3.600	3.475	3.436	3.631 E3	5.84
5)	m,p-Xylene	6.086	4.305	4.598	4.211	4.137	3.490	4.471 E3	19.49
6)	o-Xylene	5.186	3.726	4.051	3.670	3.583	3.542	3.960 E3	15.84
7)	1,2,4-Trimethylbenz	4.715	3.575	3.896	3.465	3.379	3.333	3.727 E3	14.06
8)	Naphthalene	2.512	2.159	2.499	2.240	2.326	2.311	2.341 E3	6.00
9) H	C9- C10 Aromatics (	2.143	0.763	0.239	0.177	0.149	0.139	0.602 E6	131.58
10) S	2,5-Dibromotoluene	1.233	1.082	1.290	1.184	1.173	1.027	1.165 E3	8.28

Signal #2 Calibration Files

1 =UV007053.D 2 =UV007054.D 3 =UV007055.D
 4 =UV007056.D 5 =UV007057.D 6 =UV007058.D

	Compound	1	2	3	4	5	6	Avg	%RSD
12)	Pentane	8.827	5.356	5.862	5.492	5.538	5.125	6.033 E2	23.03
13)	2-Methylpentane	8.294	5.274	5.893	5.476	5.446	5.164	5.924 E2	20.04
14)	Methyl tert butyl e		3.523	3.383	3.249	3.213	3.123	3.298 E2	4.75
15)	2,2,4-Trimethylpent	7.509	4.684	5.291	4.735	4.626	4.409	5.209 E2	22.36
16)	Benzene #2	1.688	1.074	1.178	1.091	1.071	1.081	1.197 E3	20.36
17)	Toluene #2	1.748	1.243	1.364	1.258	1.233	1.237	1.347 E3	15.02
18)	Nonane	1.526	1.037	1.361	1.061	1.065	1.048	1.183 E3	17.63
19)	Ethylbenzene #2	2.378	1.438	1.573	1.460	1.412	1.399	1.610 E3	23.68
20)	m,p-Xylene #2	2.036	1.463	1.621	1.467	1.446	1.442	1.579 E3	14.81
21)	o-Xylene #2	2.026	1.490	1.639	1.494	1.463	1.456	1.595 E3	13.91
22)	1,2,4-Trimethylbenz	1.571	1.266	1.415	1.272	1.238	1.223	1.331 E3	10.25
23)	Naphthalene #2	6.659	5.817	6.755	6.201	6.484	6.372	6.381 E2	5.33
24) H	C5- C8 Aliphatics (	1.560	0.672	0.616	0.490	0.474	0.458	0.712 E5	59.61
25) H	C9- C12 Aliphatics	1.570	0.761	0.736	0.619	0.554	0.544	0.797 E5	48.81
26) S	2,5-Dibromotoluene	1.761	1.467	1.691	1.560	1.591	1.448	1.586 E2	7.76

Average % RSD = 22.4

(#) = Out of Range

VPH.M

Tue Jul 23 09:14:17 2002 CDUV

Continuing Calibration Summary

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV451-CC451
Lab FileID: UV007068.D

Page 1 of 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072202\UV007068.D\FID1B.CH Vial: 16
Signal #2 : C:\HPCHEM\2\DATA\072202\UV007068.D\FID2A.CH
Acq On : 22 Jul 2002 9:03 pm Operator: RondaM
Sample : CC451-5 Inst : VOA4
Misc : gc1881,guv451,5.80,,100,5,1,SOIL Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Mon Jul 22 17:17:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	300.000	245.763	18.1	88	0.03
2	Benzene	100.000	75.552	24.4	86	0.04
3	Toluene	300.000	235.306	21.6	87	0.03
4	Ethylbenzene	100.000	81.956	18.0	86	0.03
5	m,p-Xylene	400.000	316.491	20.9	86	0.03
6	o-Xylene	200.000	156.578	21.7	87	0.02
7	1,2,4-Trimethylbenzene	200.000	153.971	23.0	85	0.02
8	Naphthalene	200.000	167.328	16.3	84	0.03
9 H	C9- C10 Aromatics (unadjust	200.000	163.937	18.0	86	0.00
10 S	2,5-Dibromotoluene	200.000	162.820	18.6	81	0.03

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	200.000	131.298	34.4#	72	0.03
13	2-Methylpentane	300.000	206.827	31.1#	75	0.03
14	Methyl tert butyl ether #2	300.000	258.659	13.8	89	0.03
15	2,2,4-Trimethylpentane	300.000	208.897	30.4#	78	0.04
16	Benzene #2	100.000	77.836	22.2	87	0.04
17	Toluene #2	300.000	236.330	21.2	86	0.03
18	Nonane	200.000	133.996	33.0#	74	0.03
19	Ethylbenzene #2	100.000	74.693	25.3#	85	0.03
20	m,p-Xylene #2	400.000	309.958	22.5	85	0.03
21	o-Xylene #2	200.000	157.528	21.2	86	0.02
22	1,2,4-Trimethylbenzene #2	200.000	157.563	21.2	85	0.02
23	Naphthalene #2	200.000	172.203	13.9	85	0.03
24 H	C5- C8 Aliphatics (unadjust	1500.000	1230.739	18.0	82	0.00
25 H	C9- C12 Aliphatics (unadjus	1100.000	907.794	17.5	84	0.00
26 S	2,5-Dibromotoluene #2	200.000	160.321	19.8	80	0.03

Average % D = 21.8

(#) = Out of Range
UV007057.D VPH.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 09:14:41 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV451-ECC451
Lab FileID: UV007073.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072202\UV007073.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\2\DATA\072202\UV007073.D\FID2A.CH
Acq On : 23 Jul 2002 12:08 am Operator: RondaM
Sample : ECC451-4 Inst : VOA4
Misc : gc1881,guv451,5.80,,100,5,1,SOIL Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Mon Jul 22 17:17:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	120.000	109.778	8.5	95	0.03
2	Benzene	40.000	33.336	16.7	92	0.04
3	Toluene	120.000	100.594	16.2	91	0.03
4	Ethylbenzene	40.000	36.308	9.2	92	0.03
5	m,p-Xylene	160.000	138.986	13.1	92	0.03
6	o-Xylene	80.000	69.210	13.5	93	0.02
7	1,2,4-Trimethylbenzene	80.000	69.702	12.9	94	0.00
8	Naphthalene	80.000	84.933	-6.2	111	-0.03
9 H	C9- C10 Aromatics (unadjust	80.000	66.223	17.2	93	0.00
10 S	2,5-Dibromotoluene	80.000	83.194	-4.0	102	-0.04

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	80.000	58.499	26.9#	80	0.02
13	2-Methylpentane	120.000	91.997	23.3	83	0.03
14	Methyl tert butyl ether #2	120.000	113.244	5.6	96	0.03
15	2,2,4-Trimethylpentane	120.000	94.811	21.0	87	0.04
16	Benzene #2	40.000	33.737	15.7	93	0.04
17	Toluene #2	120.000	103.238	14.0	92	0.03
18	Nonane	80.000	73.901	7.6	103	0.03
19	Ethylbenzene #2	40.000	32.921	17.7	91	0.03
20	m,p-Xylene #2	160.000	137.817	13.9	93	0.03
21	o-Xylene #2	80.000	70.026	12.5	93	0.02
22	1,2,4-Trimethylbenzene #2	80.000	70.912	11.4	93	0.00
23	Naphthalene #2	80.000	86.046	-7.6	111	-0.03
24 H	C5- C8 Aliphatics (unadjust	600.000	519.860	13.4	89	0.00
25 H	C9- C12 Aliphatics (unadjus	440.000	399.057	9.3	87	0.00
26 S	2,5-Dibromotoluene #2	80.000	80.749	-0.9	103	-0.04

Average % D = 12.7

(#) = Out of Range
UV007056.D VPH.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 09:15:07 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV452-CC451
Lab FileID: UV007074.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072302\UV007074.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\2\DATA\072302\UV007074.D\FID2A.CH
Acq On : 23 Jul 2002 8:00 am Operator: RondaM
Sample : CC451-4 Inst : VOA4
Misc : gc1881,guv452,,,,, Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Wed Jul 24 10:06:49 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	120.000	111.294	7.3	97	0.07
2	Benzene	40.000	38.392	4.0	106	0.07
3	Toluene	120.000	117.791	1.8	107	0.06
4	Ethylbenzene	40.000	42.989	-7.5	108	0.06
5	m,p-Xylene	160.000	165.947	-3.7	110	0.06
6	o-Xylene	80.000	80.155	-0.2	108	0.06
7	1,2,4-Trimethylbenzene	80.000	81.888	-2.4	110	0.07
8	Naphthalene	80.000	81.988	-2.5	107	0.00
9 H	C9- C10 Aromatics (unadjust	80.000	82.105	-2.6	107	0.00
10 S	2,5-Dibromotoluene	80.000	88.054	-10.1	108	0.00

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	80.000	76.898	3.9	106	0.07
13	2-Methylpentane	120.000	116.972	2.5	105	0.06
14	Methyl tert butyl ether #2	120.000	110.837	7.6	94	0.07
15	2,2,4-Trimethylpentane	120.000	113.342	5.5	104	0.07
16	Benzene #2	40.000	37.609	6.0	103	0.07
17	Toluene #2	120.000	117.090	2.4	105	0.06
18	Nonane	80.000	87.571	-9.5	122	0.06
19	Ethylbenzene #2	40.000	38.332	4.2	106	0.06
20	m,p-Xylene #2	160.000	160.485	-0.3	108	0.06
21	o-Xylene #2	80.000	79.479	0.7	106	0.06
22	1,2,4-Trimethylbenzene #2	80.000	82.479	-3.1	108	0.07
23	Naphthalene #2	80.000	81.903	-2.4	105	0.00
24 H	C5- C8 Aliphatics (unadjust	600.000	609.986	-1.7	103	0.00
25 H	C9- C12 Aliphatics (unadjus	440.000	467.578	-6.3	101	0.00
26 S	2,5-Dibromotoluene #2	80.000	83.846	-4.8	107	0.00

Average % D = 4.1

(#) = Out of Range
UV007056.D VPH.M

SPCC's out = 0 CCC's out = 0
Wed Jul 24 10:07:16 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV452-CC451
Lab FileID: UV007085.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072302\UV007085.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\2\DATA\072302\UV007085.D\FID2A.CH
Acq On : 23 Jul 2002 3:52 pm Operator: RondaM
Sample : CC451-5 Inst : VOA4
Misc : gc1881,guv452,,,, Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Mon Jul 22 17:17:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	300.000	270.181	9.9	97	-0.02
2	Benzene	100.000	88.385	11.6	101	-0.03
3	Toluene	300.000	280.841	6.4	103	-0.03
4	Ethylbenzene	100.000	98.721	1.3	103	-0.03
5	m,p-Xylene	400.000	385.083	3.7	104	-0.03
6	o-Xylene	200.000	188.178	5.9	104	-0.03
7	1,2,4-Trimethylbenzene	200.000	192.858	3.6	106	-0.03
8	Naphthalene	200.000	202.044	-1.0	102	-0.03
9 H	C9- C10 Aromatics (unadjust	200.000	210.982	-5.5	105	0.00
10 S	2,5-Dibromotoluene	200.000	220.123	-10.1	109	-0.03

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	200.000	155.333	22.3	85	-0.02
13	2-Methylpentane	300.000	247.631	17.5	90	-0.02
14	Methyl tert butyl ether #2	300.000	282.819	5.7	97	-0.02
15	2,2,4-Trimethylpentane	300.000	253.705	15.4	95	-0.02
16	Benzene #2	100.000	89.736	10.3	100	-0.03
17	Toluene #2	300.000	279.714	6.8	102	-0.03
18	Nonane	200.000	192.594	3.7	107	-0.03
19	Ethylbenzene #2	100.000	89.909	10.1	103	-0.03
20	m,p-Xylene #2	400.000	380.013	5.0	104	-0.03
21	o-Xylene #2	200.000	189.215	5.4	103	-0.03
22	1,2,4-Trimethylbenzene #2	200.000	196.601	1.7	106	-0.03
23	Naphthalene #2	200.000	205.398	-2.7	101	-0.03
24 H	C5- C8 Aliphatics (unadjust	1500.000	1501.928	-0.1	99	0.00
25 H	C9- C12 Aliphatics (unadjus	1100.000	1136.806	-3.3	104	0.00
26 S	2,5-Dibromotoluene #2	200.000	218.478	-9.2	109	-0.03

Average % D = 7.1

(#) = Out of Range
UV007057.D VPH.M

SPCC's out = 0 CCC's out = 0
Wed Jul 24 07:42:07 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV452-CC451
Lab FileID: UV007096.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072302\UV007096.D\FID1B.CH Vial: 12
Signal #2 : C:\HPCHEM\2\DATA\072302\UV007096.D\FID2A.CH
Acq On : 23 Jul 2002 10:40 pm Operator: RondaM
Sample : CC451-4 Inst : VOA4
Misc : gc1881, guv452, 4.53, , 100, 5, 1 Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Mon Jul 22 17:17:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	120.000	109.417	8.8	95	0.02
2	Benzene	40.000	32.484	18.8	90	0.03
3	Toluene	120.000	96.546	19.5	87	0.03
4	Ethylbenzene	40.000	34.748	13.1	88	0.03
5	m,p-Xylene	160.000	131.133	18.0	87	0.03
6	o-Xylene	80.000	65.464	18.2	88	0.02
7	1,2,4-Trimethylbenzene	80.000	62.343	22.1	84	0.02
8	Naphthalene	80.000	72.353	9.6	95	0.02
9 H	C9- C10 Aromatics (unadjust	80.000	68.449	14.4	95	0.00
10 S	2,5-Dibromotoluene	80.000	65.572	18.0	81	0.03

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	80.000	50.432	37.0#	69	0.02
13	2-Methylpentane	120.000	81.992	31.7#	74	0.02
14	Methyl tert butyl ether #2	120.000	111.461	7.1	94	0.02
15	2,2,4-Trimethylpentane	120.000	87.860	26.8#	81	0.03
16	Benzene #2	40.000	32.465	18.8	89	0.03
17	Toluene #2	120.000	97.707	18.6	87	0.03
18	Nonane	80.000	59.179	26.0#	82	0.03
19	Ethylbenzene #2	40.000	31.056	22.4	86	0.03
20	m,p-Xylene #2	160.000	128.060	20.0	86	0.03
21	o-Xylene #2	80.000	65.590	18.0	88	0.02
22	1,2,4-Trimethylbenzene #2	80.000	63.528	20.6	83	0.02
23	Naphthalene #2	80.000	73.098	8.6	94	0.02
24 H	C5- C8 Aliphatics (unadjust	600.000	480.376	19.9	83	0.00
25 H	C9- C12 Aliphatics (unadjus	440.000	361.269	17.9	80	0.00
26 S	2,5-Dibromotoluene #2	80.000	63.563	20.5	81	0.03

Average % D = 19.0

(#) = Out of Range
UV007056.D VPH.M

SPCC's out = 0 CCC's out = 0
Wed Jul 24 07:41:29 2002 CDUV

Continuing Calibration Summary

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GUV453-ECC451
Lab FileID: UV007102.D

Page 1 of 1

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\072302\UV007102.D\FID1B.CH Vial: 2
Signal #2 : C:\HPCHEM\2\DATA\072302\UV007102.D\FID2A.CH
Acq On : 24 Jul 2002 2:23 am Operator: RondaM
Sample : ECC451-4 Inst : VOA4
Misc : gc1885,guv453,,,,, Multiplr: 1.00
IntFile Signal #1: pid.e IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\VPH.M (Chemstation Integrator)
Title : Mass. DEP VPH
Last Update : Mon Jul 22 17:17:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert butyl ether	120.000	110.610	7.8	96	0.04
2	Benzene	40.000	32.242	19.4	89	0.05
3	Toluene	120.000	95.733	20.2	87	0.05
4	Ethylbenzene	40.000	33.837	15.4	85	0.05
5	m,p-Xylene	160.000	127.453	20.3	85	0.05
6	o-Xylene	80.000	64.618	19.2	87	0.05
7	1,2,4-Trimethylbenzene	80.000	60.779	24.0	82	0.05
8	Naphthalene	80.000	72.632	9.2	95	0.05
9 H	C9- C10 Aromatics (unadjust	80.000	63.766	20.3	90	0.00
10 S	2,5-Dibromotoluene	80.000	63.564	20.5	78	0.04

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
12	Pentane	80.000	50.320	37.1#	69	0.03
13	2-Methylpentane	120.000	82.489	31.3#	74	0.03
14	Methyl tert butyl ether #2	120.000	113.497	5.4	96	0.04
15	2,2,4-Trimethylpentane	120.000	89.648	25.3#	82	0.05
16	Benzene #2	40.000	32.429	18.9	89	0.05
17	Toluene #2	120.000	97.739	18.6	87	0.05
18	Nonane	80.000	57.235	28.5#	80	0.05
19	Ethylbenzene #2	40.000	30.601	23.5	84	0.05
20	m,p-Xylene #2	160.000	126.528	20.9	85	0.05
21	o-Xylene #2	80.000	65.371	18.3	87	0.05
22	1,2,4-Trimethylbenzene #2	80.000	62.251	22.2	81	0.05
23	Naphthalene #2	80.000	73.156	8.6	94	0.05
24 H	C5- C8 Aliphatics (unadjust	600.000	482.772	19.5	83	0.00
25 H	C9- C12 Aliphatics (unadjus	440.000	361.718	17.8	80	0.00
26 S	2,5-Dibromotoluene #2	80.000	61.420	23.2	78	0.04

Average % D = 19.8

(#) = Out of Range
UV007056.D VPH.M

SPCC's out = 0 CCC's out = 0
Wed Jul 24 07:41:30 2002 CDUV

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5523-BS	ZF05692.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267

The QC reported here applies to the following samples:

Method: SW846 8015 M

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	28.7	86	52-120

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	60-124%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5523-MB	ZF05691.D	1	07/22/02	NJ	07/20/02	OP5523	GZF267

The QC reported here applies to the following samples:

Method: SW846 8015 M

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	8.3	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	76% 60-124%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5523-MB	ZF05719.D	1	07/23/02	NJ	07/20/02	OP5523	GZF268

The QC reported here applies to the following samples:

Method: SW846 8015 M

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Result	RL	Units	Q
	TPH (C10-C28)	ND	8.3	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	76% 60-124%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5523-MS	ZF05727.D	400	07/23/02	NJ	07/20/02	OP5523	GZF268
OP5523-MSD	ZF05728.D	400	07/23/02	NJ	07/20/02	OP5523	GZF268
F13857-16	ZF05726.D	400	07/23/02	NJ	07/20/02	OP5523	GZF268

The QC reported here applies to the following samples:

Method: SW846 8015 M

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13857-16 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	Limits RPD	Rec/RPD
	TPH (C10-C28)	11200	37.5	14000	7467* ^a	11900	1867* ^a	16	36-120/24

CAS No.	Surrogate Recoveries	MS	MSD	F13857-16	Limits
84-15-1	o-Terphenyl	0%* ^b	0%* ^b	0%* ^b	60-124%

(a) Outside control limits due to high level in sample relative to spike amount.

(b) Outside control limits due to dilution.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F13857

Account: ITVAVAB Shaw E & I, Inc.

Project: Camp Lejeune-HPFF

Method: SW846 8015 M

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
F13857-1	ZF05693.D	91.0
F13857-2	ZF05720.D	84.0
F13857-3	ZF05695.D	71.0
F13857-4	ZF05696.D	66.0
F13857-5	ZF05698.D	72.0
F13857-6	ZF05699.D	66.0
F13857-7	ZF05721.D	76.0
F13857-8	ZF05701.D	75.0
F13857-9	ZF05702.D	72.0
F13857-10	ZF05703.D	75.0
F13857-11	ZF05723.D	0.0* ^b
F13857-12	ZF05705.D	75.0
F13857-13	ZF05706.D	71.0
F13857-14	ZF05707.D	70.0
F13857-15	ZF05722.D	77.0
F13857-16	ZF05726.D	0.0* ^b
F13857-17	ZF05724.D	0.0* ^b
F13857-18	ZF05725.D	0.0* ^b
OP5523-BS	ZF05692.D	83.0
OP5523-MB	ZF05691.D	76.0
OP5523-MB	ZF05719.D	76.0
OP5523-MS	ZF05727.D	0.0* ^b
OP5523-MSD	ZF05728.D	0.0* ^b

Surrogate Compounds	Recovery Limits
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S1 = o-Terphenyl	60-124%
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(a) Recovery from GC signal #1

(b) Outside control limits due to dilution.

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GZF267-CC265	Injection Date:	07/22/02
Lab File ID:	ZF05685.D	Injection Time:	10:06
Instrument ID:	GCZF	Method:	SW846 8015 M

S1 ^a
RT

Check Std	7.16
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP5501-MB2	ZF05687.D	07/22/02	10:54	7.15
OP5501-BS2	ZF05688.D	07/22/02	11:19	7.16
ZZZZZZ	ZF05689.D	07/22/02	11:43	7.16
ZZZZZZ	ZF05690.D	07/22/02	12:08	7.15
OP5523-MB	ZF05691.D	07/22/02	12:33	7.15
OP5523-BS	ZF05692.D	07/22/02	12:57	7.15
F13857-1	ZF05693.D	07/22/02	13:22	7.15
F13857-3	ZF05695.D	07/22/02	14:11	7.15
F13857-4	ZF05696.D	07/22/02	14:35	7.15

Surrogate
Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GZF267-CC265	Injection Date:	07/22/02
Lab File ID:	ZF05697.D	Injection Time:	15:00
Instrument ID:	GCZF	Method:	SW846 8015 M

S1 ^a
RT

Check Std	7.15
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
F13857-5	ZF05698.D	07/22/02	15:24	7.15
F13857-6	ZF05699.D	07/22/02	15:49	7.15
F13857-8	ZF05701.D	07/22/02	16:38	7.15
F13857-9	ZF05702.D	07/22/02	17:02	7.15
F13857-10	ZF05703.D	07/22/02	17:26	7.15
F13857-12	ZF05705.D	07/22/02	18:15	7.15
F13857-13	ZF05706.D	07/22/02	18:40	7.15
F13857-14	ZF05707.D	07/22/02	19:04	7.15

Surrogate
Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Check Std:	GZF268-CC265	Injection Date:	07/23/02
Lab File ID:	ZF05717.D	Injection Time:	09:05
Instrument ID:	GCZF	Method:	SW846 8015 M

S1 ^a
RT

Check Std	7.16
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP5523-MB	ZF05719.D	07/23/02	09:54	7.15
F13857-2	ZF05720.D	07/23/02	10:19	7.15
F13857-7	ZF05721.D	07/23/02	10:43	7.15
F13857-15	ZF05722.D	07/23/02	11:08	7.15
F13857-11	ZF05723.D	07/23/02	11:32	0.00
F13857-17	ZF05724.D	07/23/02	11:57	0.00
F13857-18	ZF05725.D	07/23/02	12:21	0.00
F13857-16	ZF05726.D	07/23/02	12:46	0.00
OP5523-MS	ZF05727.D	07/23/02	13:10	0.00
OP5523-MSD	ZF05728.D	07/23/02	13:34	0.00

Surrogate
Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF265-ICC265
Lab FileID: ZF05650.D

Response Factor Report FID 3

Method : C:\HPCHEM\1\METHODS\F_DRO.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:01 2002
Response via : Initial Calibration

Calibration Files

250 =ZF05652.D 500 =ZF05653.D 1000 =ZF05650.D
1500 =ZF05654.D 2000 =ZF05655.D 100 =ZF05651.D

Compound	250	500	1000	1500	2000	100	Avg	%RSD
1) S O-TERPHENYL	5.887	5.368	5.457	4.970	4.874	4.966	5.254 E4	7.44
2) H TPH (C10-C28)	4.757	4.325	4.377	3.998	3.924	4.154	4.256 E4	7.11

Average % RSD = 7.3

(#) = Out of Range

F_DRO.M

Thu Jul 18 10:07:03 2002

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF267-CC265
Lab FileID: ZF05685.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0722DR0\ZF05685.D Vial: 2
Acq On : 22 Jul 2002 10:06 am Operator: nareshj
Sample : CC265-500 Inst : FID 3
Misc : op5501,gzf267,1000,,,1,,water Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\1\METHODS\F_DR0.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:01 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 S	O-TERPHENYL	52.537	53.009	E3	-0.9	99 0.00
2 H	TPH (C10-C28)	42.556	41.616	E3	2.2	96 0.00

Average % D = 1.6

(#) = Out of Range
ZF05653.D F_DR0.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 13:16:31 2002

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF267-CC265
Lab FileID: ZF05697.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0722DR0\ZF05697.D Vial: 14
Acq On : 22 Jul 2002 3:00 pm Operator: nareshj
Sample : CC265-1000 Inst : FID 3
Misc : op5523,gzf267,30.0,,,1,,soil Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\1\METHODS\F_DR0.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:01 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1 S	O-TERPHENYL	52.537	51.606	E3	1.8	95	0.00
2 H	TPH (C10-C28)	42.556	41.308	E3	2.9	94	0.00

Average % D = 2.4

(#) = Out of Range
ZF05650.D F_DR0.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 13:15:58 2002

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF267-CC265
Lab FileID: ZF05708.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0722DRO\ZF05708.D Vial: 25
Acq On : 22 Jul 2002 7:28 pm Operator: nareshj
Sample : CC265-500 Inst : FID 3
Misc : op5523,gzf267,30.0,,,1,,soil Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\1\METHODS\F_DRO.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:01 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 S	O-TERPHENYL	52.537	54.014	E3	-2.8	101 0.00
2 H	TPH (C10-C28)	42.556	42.949	E3	-0.9	99 0.00

Average % D = 1.9

(#) = Out of Range
ZF05653.D F_DRO.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 13:16:32 2002

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF268-CC265
Lab FileID: ZF05717.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0723DR0\ZF05717.D Vial: 2
Acq On : 23 Jul 2002 9:05 am Operator: nareshj
Sample : CC265-1000 Inst : FID 3
Misc : op5523,gzf268,30.0,,,1,,soil Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\1\METHODS\F_DR0.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:10 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 S O-TERPHENYL	52.537	51.251	E3	2.4	94
2 H TPH (C10-C28)	42.556	41.016	E3	3.6	94

Average % D = 3.0

(#) = Out of Range
ZF05650.D F_DR0.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 14:42:22 2002

Continuing Calibration Summary

Page 1 of 1

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: GZF268-CC265
Lab FileID: ZF05729.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\0723DR0\ZF05729.D Vial: 14
Acq On : 23 Jul 2002 1:59 pm Operator: nareshj
Sample : CC265-500 Inst : FID 3
Misc : op5523,gzf268,30.0,,,1,,soil Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\1\METHODS\F_DR0.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Jul 18 08:20:10 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1 S	O-TERPHENYL	52.537	56.635	E3	-7.8	105 0.00
2 H	TPH (C10-C28)	42.556	45.338	E3	-6.5	105 0.00

Average % D = 7.2

(#) = Out of Range
ZF05653.D F_DR0.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 14:42:07 2002

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Page 1 of 3

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: F13857-1 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-25-4,6

Wet Weight (Total)	7.2	g
Tare Weight	.99	g
Dry Weight (Total)	6.56	g
Solids, Percent	89.7	%

Sample: F13857-2 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-28-6,8

Wet Weight (Total)	6.44	g
Tare Weight	.98	g
Dry Weight (Total)	5.45	g
Solids, Percent	81.9	%

Sample: F13857-3 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-34-4,6

Wet Weight (Total)	7.92	g
Tare Weight	.98	g
Dry Weight (Total)	7.06	g
Solids, Percent	87.6	%

Sample: F13857-4 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-26-8,10

Wet Weight (Total)	6.7	g
Tare Weight	.97	g
Dry Weight (Total)	5.94	g
Solids, Percent	86.7	%

Sample: F13857-5 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-35-4,6

Wet Weight (Total)	7.18	g
Tare Weight	.97	g
Dry Weight (Total)	6.41	g
Solids, Percent	87.6	%

Sample: F13857-6 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-30-6,8

Wet Weight (Total)	6.96	g
Tare Weight	.98	g
Dry Weight (Total)	6.24	g
Solids, Percent	88	%

Percent Solids Raw Data Summary

Page 2 of 3

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: F13857-7 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-33-4,6

Wet Weight (Total)	7.16	g
Tare Weight	.99	g
Dry Weight (Total)	6.48	g
Solids, Percent	89.8	%

Sample: F13857-8 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-16-6,8

Wet Weight (Total)	7.23	g
Tare Weight	.99	g
Dry Weight (Total)	6.65	g
Solids, Percent	90.7	%

Sample: F13857-9 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-22-4,6

Wet Weight (Total)	7.88	g
Tare Weight	.97	g
Dry Weight (Total)	7.07	g
Solids, Percent	88.3	%

Sample: F13857-10 Analyzed: 17-JUL-02 by LL Method: EPA 160.3 M
ClientID: CLJ-72-S-14-4,6

Wet Weight (Total)	7.07	g
Tare Weight	.98	g
Dry Weight (Total)	6.52	g
Solids, Percent	91.1	%

Sample: F13857-11 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-20-4,6

Wet Weight (Total)	7.59	g
Tare Weight	.97	g
Dry Weight (Total)	6.19	g
Solids, Percent	78.9	%

Sample: F13857-12 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-18-4,6

Wet Weight (Total)	5.95	g
Tare Weight	.97	g
Dry Weight (Total)	5.36	g
Solids, Percent	88.2	%

Percent Solids Raw Data Summary

Page 3 of 3

Job Number: F13857
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample: F13857-13 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-24-6,8

Wet Weight (Total)	6.31	g
Tare Weight	.97	g
Dry Weight (Total)	5.95	g
Solids, Percent	93.3	%

Sample: F13857-14 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-12-4,6

Wet Weight (Total)	5.99	g
Tare Weight	.97	g
Dry Weight (Total)	5.37	g
Solids, Percent	87.6	%

Sample: F13857-15 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-9-4,6

Wet Weight (Total)	6.65	g
Tare Weight	1.03	g
Dry Weight (Total)	5.99	g
Solids, Percent	88.3	%

Sample: F13857-16 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-4-4,6

Wet Weight (Total)	6.17	g
Tare Weight	1.04	g
Dry Weight (Total)	5.55	g
Solids, Percent	87.9	%

Sample: F13857-17 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-5-4,6

Wet Weight (Total)	6.05	g
Tare Weight	1.04	g
Dry Weight (Total)	5.49	g
Solids, Percent	88.8	%

Sample: F13857-18 Analyzed: 18-JUL-02 by SJL Method: EPA 160.3 M
ClientID: CLJ-72-S-5-4,6D

Wet Weight (Total)	6.21	g
Tare Weight	1.02	g
Dry Weight (Total)	5.63	g
Solids, Percent	88.8	%

GC Semi-volatiles

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**
- **Surrogate Recovery Summaries**
- **GC Surrogate Retention Time Summaries**
- **Initial and Continuing Calibration Summaries**

Blank Spike Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11748-BS21	ST18380.D	1	07/19/02	CHA	07/18/02	OP11748	GST583

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	5000	3130	63	40-140
208-96-8	Acenaphthylene	5000	3270	65	40-140
120-12-7	Anthracene	5000	3170	63	40-140
56-55-3	Benzo(a)anthracene	5000	3200	64	40-140
50-32-8	Benzo(a)pyrene	5000	3310	66	40-140
205-99-2	Benzo(b)fluoranthene	5000	3240	65	40-140
191-24-2	Benzo(g,h,i)perylene	5000	3330	67	40-140
207-08-9	Benzo(k)fluoranthene	5000	3370	67	40-140
218-01-9	Chrysene	5000	3170	63	40-140
53-70-3	Dibenzo(a,h)anthracene	5000	3010	60	40-140
206-44-0	Fluoranthene	5000	3420	68	40-140
86-73-7	Fluorene	5000	2840	57	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	5000	3060	61	40-140
91-57-6	2-Methylnaphthalene	5000	2820	56	40-140
91-20-3	Naphthalene	5000	2810	56	40-140
85-01-8	Phenanthrene	5000	3160	63	40-140
129-00-0	Pyrene	5000	3410	68	40-140
	C11-C22 Aromatics (Unadj.)	85000	53700	63	50-150 ^a
	C9-C18 Aliphatics	30000	17900	60	40-140
	C11-C22 Aromatics	85000	53700	63	50-150 ^a
	C19-C36 Aliphatics	40000	27400	69	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
3386-33-2	1-Chlorooctadecane	63%	40-140%
580-13-2	2-Bromonaphthalene	66%	40-140%
84-15-1	o-Terphenyl	67%	40-140%
321-60-8	2-Fluorobiphenyl	77%	40-140%

(a) Advisory control limits.

Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11748-DUP	ST18358.D	1	07/15/02	CHA	07/12/02	OP11748	GST580
F13771-3	ST18359.D	1	07/15/02	CHA	07/12/02	OP11748	GST580

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13771-3 ug/kg	DUP Q	ug/kg	Q	RPD	Limits
83-32-9	Acenaphthene	ND		ND		nc	
208-96-8	Acenaphthylene	ND		ND		nc	
120-12-7	Anthracene	ND		ND		nc	
56-55-3	Benzo(a)anthracene	ND		ND		nc	
50-32-8	Benzo(a)pyrene	ND		ND		nc	
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	
218-01-9	Chrysene	ND		ND		nc	
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	
206-44-0	Fluoranthene	ND		ND		nc	
86-73-7	Fluorene	ND		ND		nc	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	
91-57-6	2-Methylnaphthalene	ND		ND		nc	
91-20-3	Naphthalene	ND		ND		nc	
85-01-8	Phenanthrene	ND		ND		nc	
129-00-0	Pyrene	ND		ND		nc	
	C11-C22 Aromatics (Unadj.)	ND		ND		nc	
	C9-C18 Aliphatics	ND		ND		nc	
	C11-C22 Aromatics	ND		ND		nc	
	C19-C36 Aliphatics	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F13771-3	Limits
3386-33-2	1-Chlorooctadecane	60%	60%	40-140%
580-13-2	2-Bromonaphthalene	52%	55%	40-140%
84-15-1	o-Terphenyl	43%	52%	40-140%
321-60-8	2-Fluorobiphenyl	56%	63%	40-140%

Method Blank Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11748-MB2	ST18379.D	1	07/19/02	CHA	07/18/02	OP11748	GST583

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	400	ug/kg	
208-96-8	Acenaphthylene	ND	400	ug/kg	
120-12-7	Anthracene	ND	400	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	ug/kg	
50-32-8	Benzo(a)pyrene	ND	400	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	400	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	400	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	400	ug/kg	
218-01-9	Chrysene	ND	400	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	400	ug/kg	
206-44-0	Fluoranthene	ND	400	ug/kg	
86-73-7	Fluorene	ND	400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	ug/kg	
91-20-3	Naphthalene	ND	400	ug/kg	
85-01-8	Phenanthrene	ND	400	ug/kg	
129-00-0	Pyrene	ND	400	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	10000	ug/kg	
	C9-C18 Aliphatics	ND	10000	ug/kg	
	C11-C22 Aromatics	ND	10000	ug/kg	
	C19-C36 Aliphatics	ND	10000	ug/kg	

CAS No.	Surrogate Recoveries	Limits
3386-33-2	1-Chlorooctadecane	63% 40-140%
580-13-2	2-Bromonaphthalene	66% 40-140%
84-15-1	o-Terphenyl	57% 40-140%
321-60-8	2-Fluorobiphenyl	65% 40-140%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11748-MS	ST18356.D	1	07/15/02	CHA	07/12/02	OP11748	GST580
OP11748-MSD	ST18357.D	1	07/15/02	CHA	07/12/02	OP11748	GST580
F13771-3	ST18359.D	1	07/15/02	CHA	07/12/02	OP11748	GST580

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

F13857-1, F13857-2, F13857-3, F13857-4, F13857-5, F13857-6, F13857-7, F13857-8, F13857-9, F13857-10, F13857-11, F13857-12, F13857-13, F13857-14, F13857-15, F13857-16, F13857-17, F13857-18

CAS No.	Compound	F13771-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		6300	3090	49	2880	47	7	40-140/50
208-96-8	Acenaphthylene	ND		6300	3100	49	3000	49	3	40-140/50
120-12-7	Anthracene	ND		6300	3000	48	2850	46	5	40-140/50
56-55-3	Benzo(a)anthracene	ND		6300	3110	49	2920	47	6	40-140/50
50-32-8	Benzo(a)pyrene	ND		6300	3230	51	2680	43	19	40-140/50
205-99-2	Benzo(b)fluoranthene	ND		6300	3090	49	2870	46	7	40-140/50
191-24-2	Benzo(g,h,i)perylene	ND		6300	3350	53	2830	46	17	40-140/50
207-08-9	Benzo(k)fluoranthene	ND		6300	3070	49	2890	47	6	40-140/50
218-01-9	Chrysene	ND		6300	3070	49	2900	47	6	40-140/50
53-70-3	Dibenzo(a,h)anthracene	ND		6300	2950	47	3000	49	2	40-140/50
206-44-0	Fluoranthene	ND		6300	3470	55	3050	49	13	40-140/50
86-73-7	Fluorene	ND		6300	2920	46	2580	42	12	40-140/50
193-39-5	Indeno(1,2,3-cd)pyrene	ND		6300	3010	48	2900	47	4	40-140/50
91-57-6	2-Methylnaphthalene	ND		6300	2900	46	2470	40	16	40-140/50
91-20-3	Naphthalene	ND		6300	2900	46	2500	40	15	40-140/50
85-01-8	Phenanthrene	ND		6300	3030	48	2870	46	5	40-140/50
129-00-0	Pyrene	ND		6300	3260	52	2790	45	16	40-140/50
	C11-C22 Aromatics (Unadj.)	ND		107000	52500	49	47900	46	9	50-150/30 ^a
	C9-C18 Aliphatics	ND		37800	22300	59	21700	59	3	40-140/50
	C11-C22 Aromatics	ND		107000	52500	49	47900	46	9	50-150/30 ^a
	C19-C36 Aliphatics	ND		50400	31100	62	30300	61	3	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	F13771-3	Limits
3386-33-2	1-Chlorooctadecane	60%	61%	60%	40-140%
580-13-2	2-Bromonaphthalene	59%	61%	55%	40-140%
84-15-1	o-Terphenyl	50%	43%	52%	40-140%
321-60-8	2-Fluorobiphenyl	64%	56%	63%	40-140%

(a) Advisory control limits.

Method Blank Summary

Page 1 of 1

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11748-MB1	ST18353.D	1	07/15/02	CHA	07/12/02	OP11748	GST580

The QC reported here applies to the following samples:

Method: MADEP-EPH-98-1

OP11748-DUP, OP11748-MS, OP11748-MSD

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	400	ug/kg	
208-96-8	Acenaphthylene	ND	400	ug/kg	
120-12-7	Anthracene	ND	400	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	ug/kg	
50-32-8	Benzo(a)pyrene	ND	400	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	400	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	400	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	400	ug/kg	
218-01-9	Chrysene	ND	400	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	400	ug/kg	
206-44-0	Fluoranthene	ND	400	ug/kg	
86-73-7	Fluorene	ND	400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	ug/kg	
91-20-3	Naphthalene	ND	400	ug/kg	
85-01-8	Phenanthrene	ND	400	ug/kg	
129-00-0	Pyrene	ND	400	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	10000	ug/kg	
	C9-C18 Aliphatics	ND	10000	ug/kg	
	C11-C22 Aromatics	ND	10000	ug/kg	
	C19-C36 Aliphatics	ND	10000	ug/kg	

CAS No.	Surrogate Recoveries		Limits
3386-33-2	1-Chlorooctadecane	64%	40-140%
580-13-2	2-Bromonaphthalene	67%	40-140%
84-15-1	o-Terphenyl	62%	40-140%
321-60-8	2-Fluorobiphenyl	73%	40-140%

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Method: MADEP-EPH-98-1

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S2 ^b	S3 ^b	S4 ^b
F13857-1	ST18381.D	62.0	69.0	57.0	67.0
F13857-2	ST18382.D	54.0	65.0	57.0	73.0
F13857-3	ST18383.D	62.0	65.0	61.0	77.0
F13857-4	ST18384.D	55.0	65.0	52.0	66.0
F13857-5	ST18385.D	55.0	64.0	58.0	71.0
F13857-6	ST18386.D	65.0	63.0	54.0	64.0
F13857-7	ST18387.D	59.0	67.0	59.0	70.0
F13857-8	ST18388.D	55.0	55.0	50.0	64.0
F13857-9	ST18391.D	57.0	66.0	55.0	64.0
F13857-10	ST18392.D	55.0	59.0	55.0	66.0
F13857-11	ST18393.D	57.0	68.0	60.0	68.0
F13857-12	ST18394.D	52.0	63.0	56.0	72.0
F13857-13	ST18395.D	54.0	65.0	56.0	72.0
F13857-14	ST18396.D	58.0	67.0	54.0	67.0
F13857-15	ST18397.D	55.0	68.0	63.0	75.0
F13857-16	ST18422.D	55.0	123.0	64.0	78.0
F13857-16	ST18398.D	63.0	94.0	59.0	139.0
F13857-17	ST18423.D	57.0	80.0	61.0	92.0
F13857-17	ST18399.D	65.0	93.0	59.0	96.0
F13857-18	ST18424.D	41.0	83.0	58.0	95.0
F13857-18	ST18400.D	50.0	96.0	56.0	93.0
OP11748-BS21	ST18380.D	63.0	66.0	67.0	77.0
OP11748-DUP	ST18358.D	60.0	52.0	43.0	56.0
OP11748-MB2	ST18379.D	63.0	66.0	57.0	65.0
OP11748-MS	ST18356.D	60.0	59.0	50.0	64.0
OP11748-MSD	ST18357.D	61.0	61.0	43.0	56.0
OP11748-MB1	ST18353.D	64.0	67.0	62.0	73.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chlorooctadecane	40-140%
S2 = 2-Bromonaphthalene	40-140%
S3 = o-Terphenyl	40-140%
S4 = 2-Fluorobiphenyl	40-140%

(a) Recovery from GC signal #2

(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
 Account: ALSE Accutest Laboratories Southeast, Inc.
 Project: ITVAVAB: Camp Lejeune-HPFF

Check Std:	GST583-CC577	Injection Date:	07/19/02
Lab File ID:	ST18378.D	Injection Time:	16:37
Instrument ID:	GCST	Method:	MADEP-EPH-98-1

				S1 ^a	S2 ^b	S3 ^b	S4 ^b
				RT	RT	RT	RT
Check Std				15.05	10.22	15.96	8.89
Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S2 ^b RT	S3 ^b RT	S4 ^b RT
OP11748-MB2	ST18379.D	07/19/02	17:25	15.05	10.22	15.96	8.89
OP11748-BS21	ST18380.D	07/19/02	18:30	15.04	10.22	15.97	8.89
F13857-1	ST18381.D	07/19/02	19:17	15.05	10.22	15.96	8.88
F13857-2	ST18382.D	07/19/02	20:03	15.04	10.22	15.96	8.88
F13857-3	ST18383.D	07/19/02	20:50	15.04	10.22	15.96	8.88
F13857-4	ST18384.D	07/19/02	21:37	15.04	10.22	15.96	8.88
F13857-5	ST18385.D	07/19/02	22:24	15.04	10.22	15.96	8.88
F13857-6	ST18386.D	07/19/02	23:11	15.04	10.22	15.96	8.88
F13857-7	ST18387.D	07/19/02	23:57	15.04	10.22	15.96	8.88
F13857-8	ST18388.D	07/20/02	00:44	15.04	10.22	15.96	8.88

Surrogate Compounds

S1 = 1-Chlorooctadecane
 S2 = 2-Bromonaphthalene
 S3 = o-Terphenyl
 S4 = 2-Fluorobiphenyl

(a) Retention time from GC signal #2
 (b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Check Std:	GST583-CC577	Injection Date:	07/20/02
Lab File ID:	ST18390.D	Injection Time:	02:18
Instrument ID:	GCST	Method:	MADEP-EPH-98-1

				S1 ^a	S2 ^b	S3 ^b	S4 ^b
				RT	RT	RT	RT
Check Std				15.05	10.23	15.98	8.89
Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S2 ^b RT	S3 ^b RT	S4 ^b RT
F13857-9	ST18391.D	07/20/02	03:04	15.04	10.22	15.96	8.88
F13857-10	ST18392.D	07/20/02	03:51	15.04	10.22	15.96	8.88
F13857-11	ST18393.D	07/20/02	04:38	15.04	10.22	15.96	8.89
F13857-12	ST18394.D	07/20/02	05:24	15.04	10.22	15.96	8.89
F13857-13	ST18395.D	07/20/02	06:11	15.04	10.22	15.96	8.88
F13857-14	ST18396.D	07/20/02	06:58	15.04	10.22	15.96	8.89
F13857-15	ST18397.D	07/20/02	07:44	15.04	10.22	15.96	8.89
F13857-16	ST18398.D	07/20/02	08:31	15.05	10.21	15.98	8.90
F13857-17	ST18399.D	07/20/02	09:18	15.04	10.22	15.96	8.89
F13857-18	ST18400.D	07/20/02	10:05	15.03	10.22	15.96	8.89
GST583-ECC577	ST18402.D	07/20/02	11:38	15.03	10.22	15.96	8.88

Surrogate Compounds

S1 = 1-Chlorooctadecane

S2 = 2-Bromonaphthalene

S3 = o-Terphenyl

S4 = 2-Fluorobiphenyl

(a) Retention time from GC signal #2

(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Check Std:	GST584-CC577	Injection Date:	07/23/02
Lab File ID:	ST18416.D	Injection Time:	04:21
Instrument ID:	GCST	THIS CAL CHECK HAS NOT YET BEEN APPROVED. DO NOT REPORT.	

				S1 ^a	S2 ^b	S3 ^b	S4 ^b
				RT	RT	RT	RT
Check Std				15.04	10.17	15.90	8.85
Lab	Lab	Date	Time	S1 ^a	S2 ^b	S3 ^b	S4 ^b
Sample ID	File ID	Analyzed	Analyzed	RT	RT	RT	RT
OP11801-MB1	ST18417.D	07/23/02	05:07	15.04	10.17	15.90	8.85
OP11801-BS1	ST18418.D	07/23/02	05:54	15.04	10.17	15.90	8.85
F13857-16	ST18422.D	07/23/02	09:13	15.04	10.15	15.91	8.85
F13857-17	ST18423.D	07/23/02	10:00	15.04	10.17	15.90	8.85
F13857-18	ST18424.D	07/23/02	10:47	15.04	10.17	15.90	8.85
GST584-ECC577	ST18428.D	07/23/02	12:21	15.05	10.18	15.92	8.85

Surrogate Compounds

S1 = 1-Chlorooctadecane

S2 = 2-Bromonaphthalene

S3 = o-Terphenyl

S4 = 2-Fluorobiphenyl

(a) Retention time from GC signal #2

(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Check Std:	GST580-CC577	Injection Date:	07/15/02
Lab File ID:	ST18352.D	Injection Time:	11:43
Instrument ID:	GCST	Method:	MADEP-EPH-98-1

	S1 ^a RT	S2 ^b RT	S3 ^b RT	S4 ^b RT
Check Std	15.13	10.22	15.97	8.89

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S2 ^b RT	S3 ^b RT	S4 ^b RT
OP11748-MB1	ST18353.D	07/15/02	12:38	15.13	10.22	15.97	8.89
OP11748-BS1	ST18354.D	07/15/02	13:25	15.13	10.22	15.97	8.89
OP11748-MS	ST18356.D	07/15/02	14:59	15.13	10.22	15.96	8.89
OP11748-MSD	ST18357.D	07/15/02	15:46	15.13	10.22	15.96	8.89
OP11748-DUP	ST18358.D	07/15/02	16:32	15.13	10.22	15.96	8.88
F13771-3	ST18359.D	07/15/02	17:19	15.13	10.22	15.96	8.88
GST580-ECC577	ST18360.D	07/15/02	18:06	15.14	10.23	15.97	8.89

Surrogate Compounds

S1 = 1-Chlorooctadecane
S2 = 2-Bromonaphthalene
S3 = o-Terphenyl
S4 = 2-Fluorobiphenyl

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Page 1 of 2

Job Number: F13857
 Account: ALSE Accutest Laboratories Southeast, Inc.
 Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST577-ICC577
 Lab FileID: ST18281.D

Response Factor Report GC ST

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
 Title : MADEP Extractable Petroleum Hydrocarbons
 Last Update : Fri Jul 05 17:13:25 2002

Calibration Files

200 =st18283.D 100 =st18278.D 50 =st18282.D
 10 =st18281.D 5 =st18279.D 2.0 =st18280.D

Compound	200	100	50	10	5	2.0	Avg	%RSD
1) mt Naphthalene	2.503	2.609	2.760	3.005	2.602	2.696	E3	7.26
2) mt 2-Methylnaphthalene	2.524	2.447	2.572	2.784	2.697	2.605	E3	5.19
3) S 2-Fluorobiphenyl	2.202	2.148	2.204	2.664	2.151	2.274	E3	9.66
4) S 2-Bromonaphthalene	1.611	1.568	1.841	1.978	1.701	1.740	E3	9.72
5) tm Acenaphthylene	2.450	2.393	2.807	3.037	2.539	2.645	E3	10.23
6) mt Acenaphthene	2.445	2.379	2.801	3.059	2.545	2.646	E3	10.62
7) mt Fluorene	2.647	2.587	2.685	2.896	3.194	2.802	E3	8.86
8) mt Phenanthrene	2.639	2.627	2.730	2.924	2.464	2.677	E3	6.29
9) mt Anthracene	2.612	2.632	2.709	2.915	2.568	2.687	E3	5.11
10) S o-Terphenyl	2.523	2.536	2.595	3.106	2.700	2.692	E3	8.99
11) mt Fluoranthene	2.591	2.606	2.685	2.922	2.584	2.678	E3	5.33
12) mt Pyrene	2.496	2.517	2.575	3.097	2.742	2.685	E3	9.29
13) mt Benzo(a)Anthracene	2.400	2.442	2.956	3.014	2.610	2.684	E3	10.67
14) mt Chrysene	2.454	2.447	2.892	3.104	2.708	2.721	E3	10.44
15) mt Benzo(b)Fluoranthene	2.606	2.328	2.727	2.896	2.351	2.581	E3	9.45
16) mt Benzo(k)Fluoranthene	2.567	2.315	2.722	2.887	2.424	2.583	E3	8.85
17) mt Benzo(a)Pyrene	2.385	2.436	2.466	2.999	2.609	2.579	E3	9.65
18) mt Indeno(1,2,3-cd)Pyr	2.324	2.432	2.523	2.779	2.170	2.446	E3	9.34
19) mt Dibenzo(ah)Anthracene	2.437	2.444	2.576	2.840	2.361	2.532	E3	7.46
20) mt Benzo(ghi)Perylene	2.372	2.332	2.408	2.584	2.717	2.483	E3	6.55
21) H C11-C22 Aromatics (	2.497	2.469	2.682	2.926	2.581	2.631	E3	7.02
22) S Unknown B Cartridge						0.000#0		-1.00
23) S Unknown C Cartridge						0.000#0		-1.00

Signal #2 Calibration Files

200 = 100 =st18278.D 50 =st18282.D
 10 =st18281.D 5 =st18289.D 2.0 =st18280.D

Compound	200	100	50	10	5	2.0	Avg	%RSD
25) m C9	2.119	2.082	2.167	1.926	1.898	2.039	E4	5.89
26) m C10	2.173	2.133	2.177	2.142	2.364	2.198	E4	4.33
27) mt C12	2.178	2.137	2.215	1.922	2.134	2.117	E4	5.38
28) mt C14	2.168	2.139	2.215	1.865	2.071	2.091	E4	6.55
29) mt C16	2.188	2.163	2.218	2.002	1.872	2.089	E4	7.05
30) mt C18	2.218	2.193	2.265	2.305	2.038	2.204	E4	4.64
31) H C9-C18 Aliphatics (	2.174	2.141	2.210	2.027	2.063	2.123	E4	3.59
32) mt C19	2.175	2.170	2.246	2.049	2.059	2.140	E4	3.91
33) mt C20	2.156	2.154	2.238	2.014	1.985	2.109	E4	5.05
34) S 1-Chlorooctadecane	1.774	1.774	1.832	1.617	1.635	1.726	E4	5.50
35) mt C22	2.151	2.157	2.207	2.128	2.057	2.140	E4	2.54
36) mt C24	2.110	2.117	2.147	2.012	1.989	2.075	E4	3.36
37) mt C26	2.132	2.128	2.169	1.961	1.799	2.038	E4	7.64
38) mt C28	2.099	2.116	2.208	2.027	2.019	2.094	E4	3.68
39) mt C30	2.074	2.079	2.167	1.969	1.932	2.044	E4	4.60
40) mt C36	1.910	1.924	1.987	1.783	1.633	1.847	E4	7.62
41) H C19-C36 Aliphatics	2.101	2.106	2.171	1.993	1.934	2.061	E4	4.63
42) S Unknown A Cartridge						0.000#0		-1.00

Initial Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST577-ICC577
Lab FileID: ST18281.D

Page 2 of 2

(#) = Out of Range

EPH577.M

Mon Jul 08 12:07:39 2002 GC-ST

Continuing Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-CC577
Lab FileID: ST18378.D

Page 1 of 2

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18378.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\2\DATA\st18378.D\FID2B.CH
Acq On : 19 Jul 2002 4:37 pm Operator: CHENGA
Sample : CC577-5 Inst : GC ST
Misc : OP11748,GST583,1000,11748-2,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt Naphthalene	2.696	2.856 E3	-5.9	95	0.00
2 mt 2-Methylnaphthalene	2.605	2.700 E3	-3.6	97	0.00
3 S 2-Fluorobiphenyl	2.274	2.466 E3	-8.4	93	0.00
4 S 2-Bromonaphthalene	1.740	1.912 E3	-9.9	97	0.00
5 tm Acenaphthylene	2.645	2.922 E3	-10.5	96	0.00
6 mt Acenaphthene	2.646	2.941 E3	-11.1	96	0.00
7 mt Fluorene	2.802	2.781 E3	0.7	96	0.00
8 mt Phenanthrene	2.677	2.769 E3	-3.4	95	0.00
9 mt Anthracene	2.687	2.768 E3	-3.0	95	0.00
10 S o-Terphenyl	2.692	3.066 E3	-13.9	99	0.00
11 mt Fluoranthene	2.678	2.901 E3	-8.3	99	0.00
12 mt Pyrene	2.685	2.947 E3	-9.8	95	0.00
13 mt Benzo(a)Anthracene	2.684	2.810 E3	-4.7	93	0.00
14 mt Chrysene	2.721	2.863 E3	-5.2	92	0.00
15 mt Benzo(b)Fluoranthene	2.581	2.690 E3	-4.2	93	0.00
16 mt Benzo(k)Fluoranthene	2.583	2.741 E3	-6.1	95	0.00
17 mt Benzo(a)Pyrene	2.579	2.991 E3	-16.0	100	0.00
18 mt Indeno(1,2,3-cd)Pyrene	2.446	2.543 E3	-4.0	92	0.00
19 mt Dibenzo(ah)Anthracene	2.532	2.619 E3	-3.4	92	0.00
20 mt Benzo(ghi)Perylene	2.483	2.504 E3	-0.8	97	0.00
21 H C11-C22 Aromatics (unadj.)	2.631	11.732 E3	-5.9	95	0.00
22 S Unknown B Cartridge Contam.	0.000	0.000#	0.0	96	0.00
23 S Unknown C Cartridge Contam.	0.000	0.000#	0.0	96	0.00

Signal #2

25 m C9	20.385	20.824 E3	-2.2	108	0.00
26 m C10	21.978	18.670 E3	15.1	87	0.00
27 mt C12	21.172	19.654 E3	7.2	102	0.00
28 mt C14	20.914	21.175 E3	-1.2	114	0.00
29 mt C16	20.886	25.048 E3	-19.9	125	0.00
30 mt C18	22.038	25.347 E3	-15.0	110	0.00
31 H C9-C18 Aliphatics (unadj.)	21.229	37.839 E3	-2.6	107	0.00
32 mt C19	21.399	22.177 E3	-3.6	108	0.00
33 mt C20	21.093	21.517 E3	-2.0	107	0.00
34 S 1-Chlorooctadecane	17.263	17.274 E3	-0.1	107	0.00
35 mt C22	21.402	23.129 E3	-8.1	109	0.00
36 mt C24	20.750	21.499 E3	-3.6	107	0.00
37 mt C26	20.378	21.031 E3	-3.2	107	0.00
38 mt C28	20.937	21.529 E3	-2.8	106	0.00
39 mt C30	20.443	21.378 E3	-4.6	109	0.00

Continuing Calibration Summary

Page 2 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-CC577
Lab FileID: ST18378.D

40	mt	C36	18.473	18.835	E3	-2.0	106	0.00
41	H	C19-C36 Aliphatics (unadj.)	20.609	71.760	E3	3.8	107	0.00
42	S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	9#	0.00

(#) = Out of Range
st18378.D EPH577.M

SPCC's out = 0 CCC's out = 0
Mon Jul 22 13:55:29 2002 GC-ST

Continuing Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-CC577
Lab FileID: ST18390.D

Page 1 of 2

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18390.D\FID1A.CH Vial: 6
Signal #2 : C:\HPCHEM\2\DATA\st18390.D\FID2B.CH
Acq On : 20 Jul 2002 2:18 am Operator: CHENGA
Sample : CC577-50 Inst : GC ST
Misc : OP11748,GST583,1.00,11748-2,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt Naphthalene	2.696	2.621 E3	2.8	100	0.03
2 mt 2-Methylnaphthalene	2.605	2.694 E3	-3.4	110	0.03
3 S 2-Fluorobiphenyl	2.274	2.377 E3	-4.5	111	0.03
4 S 2-Bromonaphthalene	1.740	1.758 E3	-1.0	112	0.04
5 tm Acenaphthylene	2.645	2.693 E3	-1.8	113	0.04
6 mt Acenaphthene	2.646	2.668 E3	-0.8	112	0.04
7 mt Fluorene	2.802	2.785 E3	0.6	108	0.05
8 mt Phenanthrene	2.677	2.767 E3	-3.4	105	0.05
9 mt Anthracene	2.687	2.842 E3	-5.8	108	0.05
10 S o-Terphenyl	2.692	2.735 E3	-1.6	108	0.05
11 mt Fluoranthene	2.678	2.797 E3	-4.4	107	0.06
12 mt Pyrene	2.685	2.700 E3	-0.6	107	0.06
13 mt Benzo(a)Anthracene	2.684	2.600 E3	3.1	106	0.06
14 mt Chrysene	2.721	2.604 E3	4.3	106	0.07
15 mt Benzo(b)Fluoranthene	2.581	2.510 E3	2.8	108	0.08
16 mt Benzo(k)Fluoranthene	2.583	2.513 E3	2.7	109	0.08
17 mt Benzo(a)Pyrene	2.579	2.622 E3	-1.7	108	0.08
18 mt Indeno(1,2,3-cd)Pyrene	2.446	2.545 E3	-4.0	105	0.10
19 mt Dibenzo(ah)Anthracene	2.532	2.709 E3	-7.0	111	0.10
20 mt Benzo(ghi)Perylene	2.483	2.529 E3	-1.9	108	0.11
21 H C11-C22 Aromatics (unadj.)	2.631	3.232 E3	-1.1	110	0.00
22 S Unknown B Cartridge Contam.	0.000	0.000#	0.0	113	0.04
23 S Unknown C Cartridge Contam.	0.000	0.000#	0.0	112	0.04

Signal #2

25 m C9	20.385	23.466 E3	-15.1	113	-0.02
26 m C10	21.978	23.776 E3	-8.2	111	-0.02
27 mt C12	21.172	24.213 E3	-14.4	113	-0.01
28 mt C14	20.914	23.873 E3	-14.1	112	-0.02
29 mt C16	20.886	24.401 E3	-16.8	113	-0.02
30 mt C18	22.038	24.656 E3	-11.9	112	-0.02
31 H C9-C18 Aliphatics (unadj.)	21.229	25.074 E3	-13.4	112	0.00
32 mt C19	21.399	24.282 E3	-13.5	112	-0.02
33 mt C20	21.093	24.185 E3	-14.7	112	-0.01
34 S 1-Chlorooctadecane	17.263	19.962 E3	-15.6	113	-0.02
35 mt C22	21.402	24.314 E3	-13.6	113	-0.01
36 mt C24	20.750	23.774 E3	-14.6	112	0.00
37 mt C26	20.378	23.915 E3	-17.4	112	0.00
38 mt C28	20.937	23.510 E3	-12.3	111	0.00
39 mt C30	20.443	23.211 E3	-13.5	112	0.00

Continuing Calibration Summary

Page 2 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-CC577
Lab FileID: ST18390.D

40	mt	C36	18.473	21.547	E3	-16.6	112	0.00
41	H	C19-C36 Aliphatics (unadj.)	20.609	27.371	E3	-14.5	113	0.00
42	S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	1#	0.14

(#) = Out of Range
st18404.D EPH577.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 11:53:31 2002 GC-ST

Continuing Calibration Summary

Page 1 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-ECC577
Lab FileID: ST18402.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18402.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\2\DATA\st18402.D\FID2B.CH
Acq On : 20 Jul 2002 11:38 am Operator: CHENGA
Sample : ECC577-5 Inst : GC ST
Misc : OP11748,GST583,1.00,11748-2,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt Naphthalene	2.696	2.803 E3	-4.0	93	0.02
2 mt 2-Methylnaphthalene	2.605	3.041 E3	-16.7	109	0.03
3 S 2-Fluorobiphenyl	2.274	2.513 E3	-10.5	94	0.03
4 S 2-Bromonaphthalene	1.740	1.916 E3	-10.1	97	0.03
5 tm Acenaphthylene	2.645	2.900 E3	-9.6	95	0.03
6 mt Acenaphthene	2.646	2.940 E3	-11.1	96	0.03
7 mt Fluorene	2.802	3.118 E3	-11.3	108	0.03
8 mt Phenanthrene	2.677	2.812 E3	-5.0	96	0.03
9 mt Anthracene	2.687	2.785 E3	-3.6	96	0.03
10 S o-Terphenyl	2.692	3.126 E3	-16.1	101	0.03
11 mt Fluoranthene	2.678	3.156 E3	-17.8	108	0.03
12 mt Pyrene	2.685	2.926 E3	-9.0	94	0.03
13 mt Benzo(a)Anthracene	2.684	2.845 E3	-6.0	94	0.02
14 mt Chrysene	2.721	2.901 E3	-6.6	93	0.02
15 mt Benzo(b)Fluoranthene	2.581	2.799 E3	-8.4	97	0.02
16 mt Benzo(k)Fluoranthene	2.583	2.880 E3	-11.5	100	0.00
17 mt Benzo(a)Pyrene	2.579	2.852 E3	-10.6	95	0.01
18 mt Indeno(1,2,3-cd)Pyrene	2.446	2.592 E3	-6.0	93	0.00
19 mt Dibenzo(ah)Anthracene	2.532	2.597 E3	-2.6	91	0.00
20 mt Benzo(ghi)Perylene	2.483	2.777 E3	-11.8	107	-0.03
21 H C11-C22 Aromatics (unadj.)	2.631	16.233 E3	-8.9	97	0.00
22 S Unknown B Cartridge Contam.	0.000	0.000#	0.0	95	0.03
23 S Unknown C Cartridge Contam.	0.000	0.000#	0.0	96	0.03

Signal #2

25 m C9	20.385	21.578 E3	-5.9	112	-0.02
26 m C10	21.978	20.473 E3	6.8	96	-0.02
27 mt C12	21.172	19.326 E3	8.7	101	-0.02
28 mt C14	20.914	20.808 E3	0.5	112	-0.02
29 mt C16	20.886	23.616 E3	-13.1	118	-0.03
30 mt C18	22.038	26.027 E3	-18.1	113	-0.03
31 H C9-C18 Aliphatics (unadj.)	21.229	38.372 E3	-3.5	112	0.00
32 mt C19	21.399	23.725 E3	-10.9	116	-0.04
33 mt C20	21.093	23.026 E3	-9.2	114	-0.04
34 S 1-Chlorooctadecane	17.263	18.535 E3	-7.4	115	-0.03
35 mt C22	21.402	24.923 E3	-16.5	117	-0.03
36 mt C24	20.750	23.341 E3	-12.5	116	-0.04
37 mt C26	20.378	23.856 E3	-17.1	122	-0.03
38 mt C28	20.937	23.168 E3	-10.7	114	-0.03
39 mt C30	20.443	22.860 E3	-11.8	116	-0.04

Continuing Calibration Summary

Page 2 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST583-ECC577
Lab FileID: ST18402.D

40 mt	C36	18.473	20.102	E3	-8.8	113	-0.05
41 H	C19-C36 Aliphatics (unadj.)	20.609	101.930	E3	-12.2	112	0.00
42 S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	1#	0.13

(#) = Out of Range
st18378.D EPH577.M

SPCC's out = 0 CCC's out = 0
Tue Jul 23 15:12:15 2002 GC-ST

Continuing Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST584-CC577
Lab FileID: ST18416.D

Page 1 of 2

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18416.D\FID1A.CH Vial: 6
Signal #2 : C:\HPCHEM\2\DATA\st18416.D\FID2B.CH
Acq On : 23 Jul 2002 4:21 am Operator: CHENGA
Sample : CC577-5 Inst : GC ST
Misc : OP11802,GST584,1000,11802-1,,2,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt Naphthalene	2.696	2.712 E3	-0.6	90	0.00
2 mt 2-Methylnaphthalene	2.605	2.478 E3	4.9	89	0.00
3 S 2-Fluorobiphenyl	2.274	2.434 E3	-7.0	91	0.00
4 S 2-Bromonaphthalene	1.740	1.786 E3	-2.6	90	-0.01
5 tm Acenaphthylene	2.645	2.718 E3	-2.8	89	-0.01
6 mt Acenaphthene	2.646	2.704 E3	-2.2	88	-0.02
7 mt Fluorene	2.802	2.612 E3	6.8	90	-0.02
8 mt Phenanthrene	2.677	2.619 E3	2.2	90	-0.02
9 mt Anthracene	2.687	2.596 E3	3.4	89	-0.03
10 S o-Terphenyl	2.692	2.888 E3	-7.3	93	-0.02
11 mt Fluoranthene	2.678	2.714 E3	-1.3	93	-0.03
12 mt Pyrene	2.685	2.797 E3	-4.2	90	-0.03
13 mt Benzo(a)Anthracene	2.684	2.738 E3	-2.0	91	-0.04
14 mt Chrysene	2.721	2.727 E3	-0.2	88	-0.05
15 mt Benzo(b)Fluoranthene	2.581	2.620 E3	-1.5	90	0.04
16 mt Benzo(k)Fluoranthene	2.583	2.620 E3	-1.4	91	-0.08
17 mt Benzo(a)Pyrene	2.579	2.854 E3	-10.7	95	-0.08
18 mt Indeno(1,2,3-cd)Pyrene	2.446	2.498 E3	-2.1	90	0.07
20 mt Benzo(ghi)Perylene	2.483	2.647 E3	-6.6	102	-0.15
21 H C11-C22 Aromatics (unadj.)	2.631	10.650 E3	-4.8	91	0.00
22 S Unknown B Cartridge Contam.	0.000	0.000#	0.0	89	-0.01
23 S Unknown C Cartridge Contam.	0.000	0.000#	0.0	88	-0.02

Signal #2

25 m C9	20.385	21.799 E3	-6.9	113	0.00
26 m C10	21.978	19.667 E3	10.5	92	0.00
27 mt C12	21.172	18.844 E3	11.0	98	0.00
28 mt C14	20.914	20.572 E3	1.6	110	0.00
29 mt C16	20.886	22.233 E3	-6.4	111	-0.01
30 mt C18	22.038	22.814 E3	-3.5	99	-0.02
31 H C9-C18 Aliphatics (unadj.)	21.229	29.164 E3	-1.1	109	0.00
32 mt C19	21.399	22.239 E3	-3.9	109	-0.02
33 mt C20	21.093	22.020 E3	-4.4	109	-0.02
34 S 1-Chlorooctadecane	17.263	17.750 E3	-2.8	110	-0.02
35 mt C22	21.402	22.411 E3	-4.7	105	-0.02
36 mt C24	20.750	21.962 E3	-5.8	109	-0.03
37 mt C26	20.378	22.100 E3	-8.5	113	-0.03
38 mt C28	20.937	22.121 E3	-5.7	109	-0.03
39 mt C30	20.443	22.163 E3	-8.4	113	-0.04
40 mt C36	18.473	20.901 E3	-13.1	117	-0.07

Continuing Calibration Summary

Job Number: F13857

Account: ALSE Accutest Laboratories Southeast, Inc.

Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST584-CC577

Lab FileID: ST18416.D

Page 2 of 2

41 H	C19-C36 Aliphatics (unadj.)	20.609	88.709 E3	-6.5	109	0.00
42 S	Unknown A Cartridge Contam.	0.000	0.000#	0.0	2#	0.00

(#) = Out of Range
st18378.D EPH577.M

SPCC's out = 0 CCC's out = 0
Wed Jul 24 09:37:46 2002 GC-ST

Continuing Calibration Summary

Page 1 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST584-ECC577
Lab FileID: ST18428.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\st18428.D\FID1A.CH Vial: 4
Acq On : 23 Jul 2002 12:21 pm Operator: CHENGA
Sample : ECC577-50 Inst : GC ST
Misc : OP11801,GST584,10.0,11801-1,,2,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\2\DATA\st18428.D\FID2B.CH Vial: 3
Acq On : 23 Jul 2002 12:21 pm Operator: CHENGA
Sample : CC577-50 Inst : GC ST
Misc : OP11801,GST584,10.0,11801-1,,2,1 Multiplr: 1.00
IntFile : EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt	Naphthalene	2.696	2.529 E3	6.2	97	0.00
2 mt	2-Methylnaphthalene	2.605	2.322 E3	10.9	95	0.00
3 S	2-Fluorobiphenyl	2.274	1.982 E3	12.8	92	0.00
4 S	2-Bromonaphthalene	1.740	1.663 E3	4.4	106	0.00
5 tm	Acenaphthylene	2.645	2.536 E3	4.1	106	0.00
6 mt	Acenaphthene	2.646	2.533 E3	4.3	106	0.00
7 mt	Fluorene	2.802	2.410 E3	14.0	93	0.00
8 mt	Phenanthrene	2.677	2.449 E3	8.5	93	0.00
9 mt	Anthracene	2.687	2.416 E3	10.1	92	0.00
10 S	o-Terphenyl	2.692	2.624 E3	2.5	103	0.00
11 mt	Fluoranthene	2.678	2.373 E3	11.4	91	0.00
12 mt	Pyrene	2.685	2.582 E3	3.8	103	0.00
13 mt	Benzo(a)Anthracene	2.684	2.600 E3	3.1	106	0.00
14 mt	Chrysene	2.721	2.602 E3	4.4	106	0.00
15 mt	Benzo(b)Fluoranthene	2.581	2.501 E3	3.1	107	-0.01
16 mt	Benzo(k)Fluoranthene	2.583	2.466 E3	4.5	107	0.00
17 mt	Benzo(a)Pyrene	2.579	2.288 E3	11.3	94	-0.02
18 mt	Indeno(1,2,3-cd)Pyrene	2.446	2.299 E3	6.0	95	-0.02
19 mt	Dibenzo(ah)Anthracene	2.532	2.316 E3	8.5	95	-0.03
20 mt	Benzo(ghi)Perylene	2.483	2.231 E3	10.1	96	-0.02
21 H	C11-C22 Aromatics (unadj.)	2.631	2.893 E3	-7.6	101	0.00
22 S	Unknown B Cartridge Contam.	0.000	0.000#	0.0	106	0.00
23 S	Unknown C Cartridge Contam.	0.000	0.000#	0.0	106	0.00

Signal #2

25 m	C9	20.385	21.417 E3	-5.1	103	0.00
26 m	C10	21.978	21.346 E3	2.9	100	0.00
27 mt	C12	21.172	21.572 E3	-1.9	101	0.00
28 mt	C14	20.914	21.863 E3	-4.5	102	0.00
29 mt	C16	20.886	21.924 E3	-5.0	101	0.00
30 mt	C18	22.038	22.405 E3	-1.7	102	-0.01
31 H	C9-C18 Aliphatics (unadj.)	21.229	22.793 E3	-2.5	106	0.00
32 mt	C19	21.399	22.155 E3	-3.5	102	-0.01
33 mt	C20	21.093	21.956 E3	-4.1	102	-0.01
34 S	1-Chlorooctadecane	17.263	18.116 E3	-4.9	102	-0.01

Continuing Calibration Summary

Page 2 of 2

Job Number: F13857
 Account: ALSE Accutest Laboratories Southeast, Inc.
 Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST584-ECC577
 Lab FileID: ST18428.D

35	mt	C22	21.402	22.205	E3	-3.8	103	-0.01
36	mt	C24	20.750	21.848	E3	-5.3	103	-0.01
37	mt	C26	20.378	22.073	E3	-8.3	104	-0.01
38	mt	C28	20.937	21.955	E3	-4.9	104	-0.01
39	mt	C30	20.443	21.753	E3	-6.4	105	-0.02
40	mt	C36	18.473	20.589	E3	-11.5	107	-0.03
41	H	C19-C36 Aliphatics (unadj.)	20.609	29.608	E3	-5.7	103	0.00
42	S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	17#	-0.01

(#) = Out of Range
 st18404.D EPH577.M

SPCC's out = 0 CCC's out = 0
 Wed Jul 24 09:27:29 2002 GC-ST

Continuing Calibration Summary

Page 1 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST580-CC577
Lab FileID: ST18352.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18352.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\2\DATA\st18352.D\FID2B.CH
Acq On : 15 Jul 2002 11:43 am Operator: CHENGA
Sample : CC577-5 Inst : GC ST
Misc : OP11748,GST580,1.00,11748-1,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt	Naphthalene	2.696	2.515 E3	6.7	84	0.00
2 mt	2-Methylnaphthalene	2.605	2.697 E3	-3.5	97	0.00
3 S	2-Fluorobiphenyl	2.274	2.195 E3	3.5	82	0.00
4 S	2-Bromonaphthalene	1.740	1.593 E3	8.4	81	0.00
5 tm	Acenaphthylene	2.645	2.482 E3	6.2	82	0.00
6 mt	Acenaphthene	2.646	2.494 E3	5.7	82	0.00
7 mt	Fluorene	2.802	2.603 E3	7.1	90	0.00
8 mt	Phenanthrene	2.677	2.452 E3	8.4	84	-0.01
9 mt	Anthracene	2.687	2.551 E3	5.1	88	-0.02
10 S	o-Terphenyl	2.692	2.573 E3	4.4	83	-0.01
11 mt	Fluoranthene	2.678	2.608 E3	2.6	89	-0.02
12 mt	Pyrene	2.685	2.446 E3	8.9	79	-0.03
13 mt	Benzo(a)Anthracene	2.684	2.419 E3	9.9	80	-0.03
14 mt	Chrysene	2.721	2.169 E3	20.3	70	-0.04
15 mt	Benzo(b)Fluoranthene	2.581	2.405 E3	6.8	83	-0.05
16 mt	Benzo(k)Fluoranthene	2.583	2.472 E3	4.3	86	-0.06
17 mt	Benzo(a)Pyrene	2.579	2.386 E3	7.5	80	-0.06
18 mt	Indeno(1,2,3-cd)Pyrene	2.446	2.042 E3	16.5	73	-0.09
19 mt	Dibenzo(ah)Anthracene	2.532	2.258 E3	10.8	80	-0.09
20 mt	Benzo(ghi)Perylene	2.483	2.331 E3	6.1	90	-0.11
21 H	C11-C22 Aromatics (unadj.)	2.631	10.659 E3	-7.6	85	0.00
22 S	Unknown B Cartridge Contam.	0.000	0.000#	0.0	82	0.00
23 S	Unknown C Cartridge Contam.	0.000	0.000#	0.0	82	0.00

Signal #2

25 m	C9	20.385	19.510 E3	4.3	101	-0.03
26 m	C10	21.978	19.430 E3	11.6	91	-0.03
27 mt	C12	21.172	17.599 E3	16.9	92	-0.03
28 mt	C14	20.914	18.830 E3	10.0	101	-0.03
29 mt	C16	20.886	21.111 E3	-1.1	105	-0.05
30 mt	C18	22.038	23.077 E3	-4.7	100	-0.07
31 H	C9-C18 Aliphatics (unadj.)	21.229	28.807 E3	-6.1	102	0.00
32 mt	C19	21.399	20.322 E3	5.0	99	-0.07
33 mt	C20	21.093	20.512 E3	2.8	102	-0.08
34 S	1-Chlorooctadecane	17.263	16.150 E3	6.4	100	-0.08
35 mt	C22	21.402	21.956 E3	-2.6	103	-0.08
36 mt	C24	20.750	19.770 E3	4.7	98	-0.09
37 mt	C26	20.378	20.334 E3	0.2	104	-0.09
38 mt	C28	20.937	20.828 E3	0.5	103	-0.09
39 mt	C30	20.443	20.602 E3	-0.8	105	-0.11

Continuing Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST580-CC577
Lab FileID: ST18352.D

Page 2 of 2

40	mt	C36	18.473	18.132	E3	1.8	102	-0.17
41	H	C19-C36 Aliphatics (unadj.)	20.609	50.881	E3	-1.5	100	0.00
42	S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	133	-0.05

(#) = Out of Range
st18279.D EPH577.M

SPCC's out = 0 CCC's out = 0
Tue Jul 16 10:37:11 2002 GC-ST

Continuing Calibration Summary

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST580-ECC577
Lab FileID: ST18360.D

Page 1 of 2

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\st18360.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\2\DATA\st18360.D\FID2B.CH
Acq On : 15 Jul 2002 6:06 pm Operator: CHENGA
Sample : ECC577-50 Inst : GC ST
Misc : OP11748,GST580,1.00,11748-1,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response vja : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 mt	Naphthalene	2.696	2.281 E3	15.4	87	0.00
2 mt	2-Methylnaphthalene	2.605	2.088 E3	19.8	85	0.00
3 S	2-Fluorobiphenyl	2.274	1.794 E3	21.1	84	0.00
4 S	2-Bromonaphthalene	1.740	1.526 E3	12.3	97	0.00
5 tm	Acenaphthylene	2.645	2.428 E3	8.2	101	0.00
6 mt	Acenaphthene	2.646	2.314 E3	12.5	97	0.00
7 mt	Fluorene	2.802	2.181 E3	22.2	84	0.00
8 mt	Phenanthrene	2.677	2.213 E3	17.3	84	0.00
9 mt	Anthracene	2.687	2.189 E3	18.5	83	0.00
10 S	o-Terphenyl	2.692	2.118 E3	21.3	84	0.00
11 mt	Fluoranthene	2.678	2.180 E3	18.6	84	0.00
12 mt	Pyrene	2.685	2.102 E3	21.7	84	0.00
13 mt	Benzo(a)Anthracene	2.684	2.276 E3	15.2	93	0.00
14 mt	Chrysene	2.721	2.281 E3	16.2	93	0.00
15 mt	Benzo(b)Fluoranthene	2.581	2.176 E3	15.7	93	0.00
16 mt	Benzo(k)Fluoranthene	2.583	2.154 E3	16.6	93	-0.01
17 mt	Benzo(a)Pyrene	2.579	2.023 E3	21.6	83	-0.01
18 mt	Indeno(1,2,3-cd)Pyrene	2.446	2.062 E3	15.7	85	-0.02
19 mt	Dibenzo(ah)Anthracene	2.532	2.078 E3	17.9	85	-0.02
20 mt	Benzo(ghi)Perylene	2.483	1.966 E3	20.8	84	-0.02
21 H	C11-C22 Aromatics (unadj.)	2.631	2.176 E3	-17.3	100	0.00
22 S	Unknown B Cartridge Contam.	0.000	0.000#	0.0	101	0.00
23 S	Unknown C Cartridge Contam.	0.000	0.000#	0.0	97	0.00

Signal #2

25 m	C9	20.385	22.668 E3	-11.2	109	-0.03
26 m	C10	21.978	22.864 E3	-4.0	107	-0.03
27 mt	C12	21.172	22.871 E3	-8.0	107	-0.03
28 mt	C14	20.914	23.168 E3	-10.8	108	-0.04
29 mt	C16	20.886	23.727 E3	-13.6	110	-0.05
30 mt	C18	22.038	23.944 E3	-8.6	109	-0.06
31 H	C9-C18 Aliphatics (unadj.)	21.229	23.207 E3	9.3	100	0.00
32 mt	C19	21.399	23.592 E3	-10.2	109	-0.07
33 mt	C20	21.093	23.652 E3	-12.1	110	-0.07
34 S	1-Chlorooctadecane	17.263	19.268 E3	-11.6	109	-0.07
35 mt	C22	21.402	23.805 E3	-11.2	110	-0.07
36 mt	C24	20.750	23.392 E3	-12.7	111	-0.08
37 mt	C26	20.378	23.559 E3	-15.6	111	-0.08
38 mt	C28	20.937	23.309 E3	-11.3	110	-0.08
39 mt	C30	20.443	22.978 E3	-12.4	111	-0.09

Continuing Calibration Summary

Page 2 of 2

Job Number: F13857
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: ITVAVAB: Camp Lejeune-HPFF

Sample: GST580-ECC577
Lab FileID: ST18360.D

40	mt	C36	18.473	21.060	E3	-14.0	109	-0.14
41	H	C19-C36 Aliphatics (unadj.)	20.609	23.168	E3	12.4	100	0.00
42	S	Unknown A Cartridge Contam.	0.000	0.000#		0.0	116	-0.06

Evaluate Continuing Calibration Report - Not Found

Signal #1 : C:\HPCHEM\2\DATA\st18360.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\2\DATA\st18360.D\FID2B.CH
Acq On : 15 Jul 2002 6:06 pm Operator: CHENGA
Sample : ECC577-50 Inst : GC ST
Misc : OP11748,GST580,1.00,11748-1,,1,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: EVENTS.E

Method : C:\HPCHEM\2\METHODS\EPH577.M (Chemstation Integrator)
Title : MADEP Extractable Petroleum Hydrocarbons
Last Update : Fri Jul 05 17:13:25 2002
Response via : Multiple Level Calibration

Min. RRF : 0.500 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
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Signal #2

(#) = Out of Range
st18342.D EPH577.M

SPCC's out = 0 CCC's out = 0
Wed Jul 17 09:14:00 2002 GC-ST

CCC Number:
824603-NORTH-CT1302



CHAIN-OF-CUSTODY RECORD

IT Group/OHMI Remediation Services - Piney Green Rd. Lot 203 Bld 626 - 913-451-2390

Receiving Lab: Acculab

Analysis Desired

Project Name: CAMP LEJUNE - HPFF- State Samples
Project Location: CAMP LEJUNE, NC
Project Manager: JIM DUNN

Project Number: 824602
Contact: Mark Martin
Responsible By: D. Number

Client Rep: US NAVY - LANTRON
Item #, Sample Number, Date, Time, Cont. Grb, Sample Description, Number of Containers

1	CLJ-72-S-20-4-6	7/15/02	1500	X	Grid 20 4-6'	4	MADEP VPH	MADEP FPH	DRO/GRO	3550/5030/8015										
2	CLJ-72-S-19-4-6	7/15/02	1530	X	Grid 19 4-6'	4	X	X	X											
3	CLJ-72-S-24-6-8	7/15/02	1600	X	Grid 24 6-8'	4	X	X	X											
4	CLJ-72-S-12-4-6	7/15/02	1630	X	Grid 12 4-6'	4	X	X	X											
5	CLJ-72-S-9-4-6	7/15/02	1700	X	Grid 9 4-6'	4	X	X	X											
6	CLJ-72-S-4-4-6	7/15/02	1730	X	Grid 4 4-6'	4	X	X	X											
7	CLJ-72-S-5-4-6	7/15/02	1740	X	Grid 5 4-6'	4	X	X	X											
8	CLJ-72-S-6-4-6D	7/15/02	1745	X	Grid 5 4-6' Dup	4	X	X	X											
9	CLJ-72-S-TB	7/15/02		X	Trip Blank	4	X	X	X											
10																				

Transfer #	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Remarks
1	1 - 9	<i>[Signature]</i>	<i>[Signature]</i> 11/27/05 822100000591	7/15/02	1830' - PLEASE FAX RESULTS TO 913-451-1839
2		<i>[Signature]</i>	<i>[Signature]</i>	7/15/02	
3					
4					

7 Day TAT

320

CHAIN-OF-CUSTODY RECORD

Project Name										Project Location										Receiving Lab: Analytical									
CAMP_E.EUNE - HPFF - State Samples										CAMP_E.EUNE, NC										Receiving Lab: Analytical									
Project Number										Mark, Manir										Reviewed by									
824873										CAMP_E.EUNE										3550/5030/R015									
Client Rep										Project Manager										MADEP VPH									
US NAVY - LAUTD/IV										JIM DUNN										MADEP EPH									
Item No.	Sample Number	Date	Time	Comp	Sample Description	Number of Containers																							
1	CLJ-72-S-25-4.3	7/15/02	10:30	X	Grid 25 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											
2	CLJ-72-S-28-5.8	7/15/02	10:30	X	Grid 28 5'-6'	4	X	X	X	X	X	X	X	X	X	X	X	X											
3	CLJ-72-S-34-4.3	7/15/02	10:30	X	Grid 34 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											
4	CLJ-72-S-28-5.10	7/15/02	10:30	X	Grid 26 5'-6'	4	X	X	X	X	X	X	X	X	X	X	X	X											
5	CLJ-72-S-35-4.6	7/15/02	10:30	X	Grid 35 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											
6	CLJ-72-S-30-5.2	7/15/02	10:30	X	Grid 30 5'-6'	4	X	X	X	X	X	X	X	X	X	X	X	X											
7	CLJ-72-S-33-4.6	7/15/02	10:30	X	Grid 33 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											
8	CLJ-72-S-16-6.6	7/15/02	10:30	X	Grid 16 6'-7'	4	X	X	X	X	X	X	X	X	X	X	X	X											
9	CLJ-72-S-22-4.6	7/15/02	10:30	X	Grid 22 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											
10	CLJ-72-S-14-4.6	7/15/02	10:30	X	Grid 14 4'-5'	4	X	X	X	X	X	X	X	X	X	X	X	X											

Remarks

PLEASE FAX RESULTS TO 913-451-1809

7 Day TAT

Time

1830

300