P.W. GROSSER

CONSULTING, INC



P.W. GROSSER

CONSULTING ENGINEERS & HYDROGEOLOGIST, PC October 23, 2006

Mr. John Lovejoy Bureau of Environmental Protection Nassau County Department of Health 240 Old Country Rd. Mineola, New York 11501

Site No. 1-30-034

Sanitary Leaching Pool Closure Work Plan

1 Shore Road, Glenwood Landing, New York

Former Penetrex Processing Company

CEIVE COT 2 6 2006 REMEDIAL BURREAU A

630 JOHNSON AVENUE SUITE 7

Dear Mr. Lovejoy:

ВОНЕМІА

P.W. Grosser Consulting, Inc. (PWGC) has prepared the following Sanitary Leaching Pool Closure Work Plan to document activities regarding the above-referenced site's leaching structures, and to detail procedures for their proper closure.

NEW YORK

Background

Re:

11716-2618

The subject site is comprised of a one-acre parcel developed with a two-story commercial building, asphalt parking, communications tower, and other ancillary improvements, and is located at 1 Shore Road, Glenwood Landing, Town of North Hempstead, New York. The property is identified in Nassau County Tax maps as Section 20 – Block K – Lots 10 through 12. It is bound on its western boundary by Shore Road and on its eastern boundary by West Street. The site is located generally north of Scudders Lane and is situated near and adjoining several major oil storage facilities, coastal terminals, and municipal power stations near Hempstead Harbor. A site vicinity map is included as **Figure 1**.

PHONE:

631-589-6353

The site is a Class II Inactive Hazardous Waste Site under NYSDEC oversight. Investigation activities continue at the site in an attempt to down-grade and/or delist the site from the NYSDEC registry.

FAX:

631-589-8705

In May 2003, a storm drain and sanitary leaching pool remediation was performed. Storm drains DW-1, DW-2, and DW-3, and sanitary leaching pools DW-4, DW-5, DW-6, DW-7, and the structures which comprise sanitary system A-1 were remediated and/or closed. UIC structures are indicated on **Figure 2**. Remedial Activities are documented in the "Storm Drain and Sanitary Leaching Pool Remediation and Closure Report," September 2003, previously submitted by PWGC under separate cover.

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The United States Environmental Protection Agency (USEPA) acknowledged the satisfactory remediation or closure of the Class V UIC structures in a November 2003 letter. This letter is included as **Appendix A**.



Geophysical Investigation

PWGC conducted a geophysical investigation at the site on June 23, 2006 as part of a subsurface investigation deemed appropriate by the New York State Department of Environmental Protection (NYSDEC). The investigation included the use of a metal detector and ground penetrating radar (GPR) by NAEVA Geophysics, Inc. to locate subsurface structures in the parking area of the site. During the investigation, several "metal detector anomalies" were detected.

Leaching Pool Excavation and Sampling

On August 24, 2006, excavation of the metal detector anomalies was performed at the site to identify them. Excavation activities were coordinated and overseen by PWGC. Excavation services were provided by Eastern Environmental Solutions. A representative from the NYSDEC was present to witness the activities.

Three of the anomalies uncovered were previously-undetected leaching structures. Upon discovery, these leaching structures were labeled DW-8, DW-9, and DW-10.

The concrete cover of leaching structure DW-8 was uncovered approximately 1.5 feet below grade surface. It was constructed of eight-foot diameter pre-cast concrete leaching rings. A four-inch diameter pipe entered the structure from the direction of DW-2, which had been abandoned. The depth to the bottom sediment was measured at 11 feet below grade surface. There was approximately four inches of water, believed to be groundwater as this corresponds to groundwater measurements in nearby monitoring wells.

The steel cover of DW-9 was uncovered approximately five inches below grade surface. It had been abandoned and was full of sand to a depth of five feet below grade. There was no visible piping.

The concrete cover of leaching structure DW-10 was uncovered approximately 2 feet below grade surface. It was constructed of eight-foot diameter pre-cast concrete leaching rings. As with DW-8, a four-inch diameter pipe entered the structure from the direction of the abandoned DW-2. The depth to the bottom sediment was measured at 13 feet below grade surface. There was approximately two feet of water, corresponding to the site's depth of groundwater.

Sediment samples were collected from the floors of structures DW-8 and DW-10 utilizing a stainless steel hand auger. The samples were placed in pre-cleaned laboratory supplied glassware and placed in a cooler packed with ice for transport to American Analytical Laboratories in Farmingdale, New York, an ELAP-certified laboratory.

The sampling of DW-9 occurred on August 30, 2006, as part of a NYSDEC soil boring investigation at the site. A Geoprobe[™] was used to sample through the center of the leaching structure. Soils were collected continuously from the surface of the fill material to a depth of 20 feet below grade surface. Soils were characterized by a PWGC field hydrogeologist. The interface between the original bottom sand of the structure and the fill material added during the structure's previous abandonment was apparent due to the distinct difference in the color and grain size of the sands above and below. This interface was determined to be 13 feet below grade surface. The soil collected directly below the interface was collected in pre-cleaned laboratory supplied glassware and placed in a cooler packed with ice for transport to American Analytical Laboratories. The sample was labeled SB-8, 13' − 15' as it was collected from the eighth soil boring of the subsurface investigation.

Samples were submitted to the laboratory for analysis of VOCs by EPA method 8260, SVOCs by EPA method 8270, and the eight RCRA Metals in accordance with the NCDH procedures and protocols.

Analytical Results

Analytical results were compared to Recommended Soil Cleanup Objectives (RSCOs) specified in the NYSDEC Technical and Administrative Guidance Memo (TAGM) #4046, to determine if remediation of the UIC structures is



warranted. Analytical data for samples DW-8 and DW-10 is shown on **Tables 1**, **2**, and **3**. Analytical data for sample SB-8, 13' – 15' (DW-9) is shown on **Tables 4**, **5**, and **6**. Laboratory data sheets are included as **Appendix B**.

The results indicate that concentrations of VOCs and metals detected in the three samples are within Recommended Soil Cleanup Objectives.

Concentrations of SVOCs detected in the three samples were within Cleanup Objectives with the exception of benzo(b)fluoranthene and benzo(a)pyrene in samples DW-8 and DW-10.

Recommended Closure Procedures

Minor detections of VOCs reflect low level impact remaining at the site related to the original known contamination sources.

Although concentrations of two SVOCs exceeded recommended soil cleanup objectives, it is apparent that the structures did not receive improper discharge. SVOCs have not been detected in groundwater samples collected during the NYSDEC subsurface investigation of the site. For this reason, SVOCs had been previously eliminated as a concern by the NYSDEC.

PWGC recommends that the three UIC structures (DW-8, DW-9, and DW-10) be permanently abandoned to grade with clean, inert fill material, and re-paved over with asphalt. The covers and metal casings will be removed prior to abandonment. Continued groundwater sampling will be conducted as part of the NYSDEC investigation.

A United States Environmental Protection Agency (USEPA) Inventory of Injection Wells (EPA Form 7520-16) had been previously submitted in October 2003. A second Form 7520-16 will be submitted documenting the additional structures discovered at the site.

Please contact us if you have any questions or require additional information.

Very truly yours,

P.W. Grosser Consulting, Inc.

Lame P. Mode

John Eichler

Field Hydrogeologist

James Rhodes, CPG Vice President

Cc: G. Bobersky, NYSDEC

N. Putnam, NYSDEC

J. Nealon, NYSDOH

W. Parrish, NYSDEC

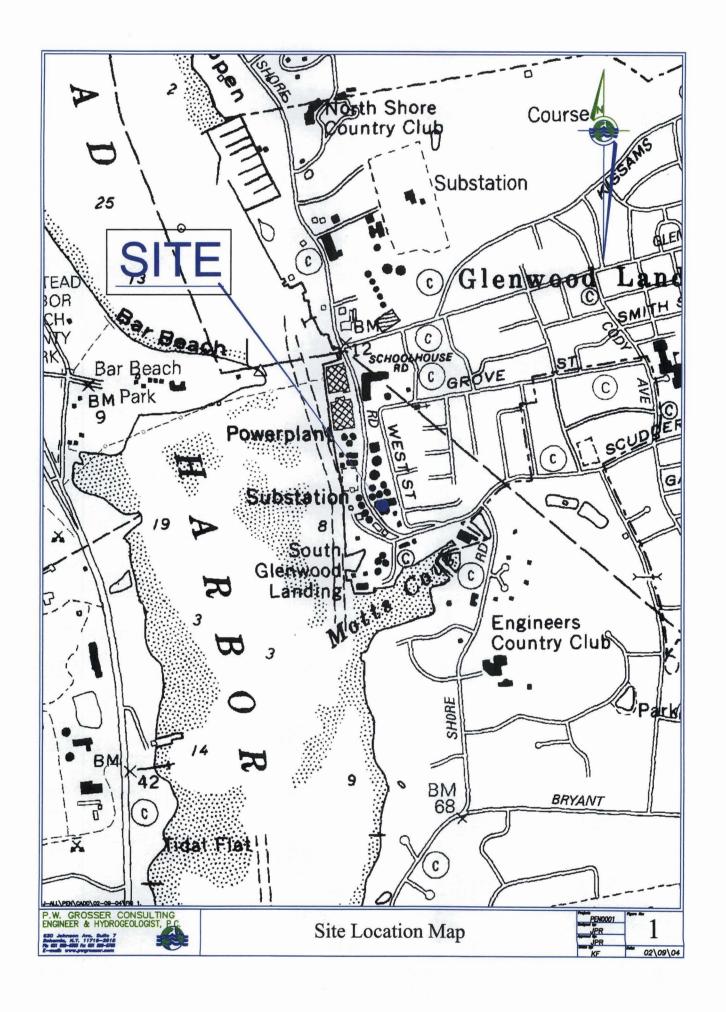
R. Weitzman, NCDH

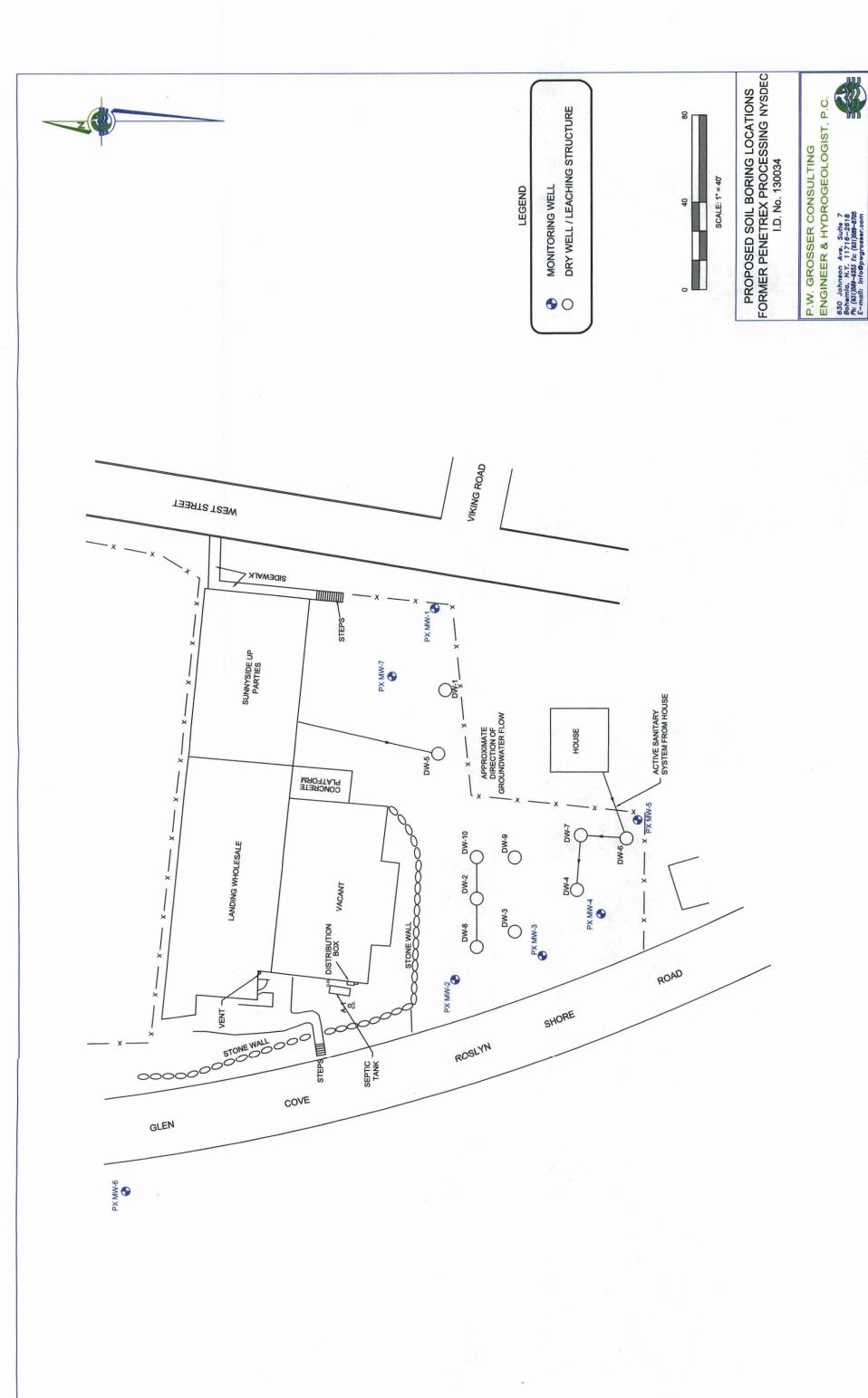
D. Yudelson, ESQ.

L. Weinberger



Figures





SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

| Project | Proj



Tables

TABLE 1

Soil Sample Analytical Results for Volatile Organic Compounds by EPA Method 8260

One Shore Road, Glenwood Landing, New York

Compound	NYSDEC Standard ⁽¹⁾	DW-8	DW-10	Trip Blank
Dichlorodifluoromethane	10,000	< 6.2	< 6.4	< 1.0
1,1,1,2-Tetrachloroethane	10,000*	< 6.2	< 6.4	< 1.0
1,1,1-Trichloroethane	700	< 6.2	< 6.4	< 1.0
1,1,2,2-Tetrachloroethane	400	< 6.2	< 6.4	< 1.0
1,1,2-Trichloroethane	10,000*	< 6.2	< 6.4	< 1.0
1,1-Dichloroethane	300	< 6.2	< 6.4	< 1.0
1,1-Dichloroethene	300	< 6.2	< 6.4	< 1.0
1,1-Dichloropropene	10,000*	< 6.2	< 6.4	< 1.0
1,2,3-Trichlorobenzene	8,300	< 6.2	< 6.4	< 1.0
1,2,3-Trichloropropane	10,000*	< 6.2	< 6.4	< 1.0
1,2,4-Trichlorobenzene	8,300	< 6.2	< 6.4	< 1.0
1,2,4-Trimethylbenzene	NS	< 6.2	< 6.4	< 1.0
1,2-Dichlorobenzene	7,900	< 6.2	< 6.4	< 1.0
1,2-Dichloroethane	20 or MDL	< 6.2	< 6.4	< 1.0
1,2-Dichloropropane	10,000*	< 6.2	< 6.4	< 1.0
1,3,5-Trimethylbenzene	3,300	< 6.2	< 6.4	< 1.0
1,3-Dichlorobenzene	1,600	< 6.2	< 6.4	< 1.0
1,3-Dichloropropane	10,000	< 6.2	< 6.4	< 1.0
1,4-Dichlorobenzene	8,500	< 6.2	< 6.4	< 1.0
2,2-Dichloropropane	10,000	< 6.2	< 6.4	< 1.0
2-Chlorotoluene	10,000	< 6.2	< 6.4	< 1.0
4-Chlorotoluene	10,000	< 6.2	< 6.4	< 1.0
Benzene	60	< 6.2	< 6.4	< 1.0
Bromobenzene	10,000*	< 6.2	< 6.4	< 1.0
Bromochloromethane	10,000*	< 6.2	< 6.4	< 1.0
Bromodichloromethane	10,000	< 6.2	< 6.4	< 1.0
Bromoform	10,000*	< 6.2	< 6.4	< 1.0
Bromomethane	10,000	< 6.2	< 6.4	< 1.0
Carbon Tetrachloride	800	< 6.2	< 6.4	< 1.0
Chlorobenzene	1,100	< 6.2	< 6.4	< 1.0
Chloroethane	200	< 6.2	< 6.4	< 1.0
Chloroform	400	< 6.2	< 6.4	< 1.0
Chloromethane	10,000*	< 6.2	< 6.4	< 1.0
cis-1,2-Dichloroethene	200	7.7	67	< 1.0
cis-1,3-Dichloropropene	NS	< 6.2	< 6.4	< 1.0
Dibromochloromethane	NS NS	< 6.2	< 6.4	< 1.0
Dibromomethane	10,000*	< 6.2	< 6.4	< 1.0
Ethyl benzene	5,500	< 6.2	< 6.4	< 1.0
Hexachlorobutadiene	10,000	< 6.2	< 6.4	< 1.0
Isopropylbenzene	2,300	< 6.2	< 6.4	< 1.0
m + p Xylene	1,200	< 12	< 13	< 2.0
Methyl tertiary butyl ether	1,200	< 6.2	< 6.4	< 1.0
Methylene Chloride	50 or MDL	37 B	26 B	16 B
n-Butylbenzene	NS	< 6.2	< 6.4	< 1.0

n-Propylbenzene	3,700	< 6.2	< 6.4	< 1.0
o Xylene	1,200	< 6.2	< 6.4	< 1.0
4-Isopropyltoluene	NS	< 6.2	< 6.4	< 1.0
sec-Butylbenzene	NS	< 6.2	< 6.4	< 1.0
Styrene	10,000*	< 6.2	< 6.4	< 1.0
tert-Butylbenzene	10,000	< 6.2	< 6.4	< 1.0
Tetrachloroethene	1,300	52	240	< 1.0
Toluene	1,500	< 6.2	< 6.4	< 1.0
trans-1,2-Dichloroethene	200	< 6.2	< 6.4	< 1.0
trans-1,3-Dichloropropene	NS	< 6.2	< 6.4	< 1.0
Trichloroethene	500	11	34	< 1.0
Trichlorofluoromethane	10,000*	< 6.2	< 6.4	< 1.0
Vinyl chloride	200	< 6.2	< 6.4	< 1.0
2-propanol	NS	< 62	< 64	< 50
1,2-Dibromoethane	NS	< 6.2	< 6.4	< 1.0
2-Butanone	300	< 6.2	< 6.4	< 1.0
2-Chloroethyl vinyl ether	NS	< 6.2	< 6.4	< 1.0
2-Hexanone	NS	< 6.2	< 6.4	< 1.0
4-Methyl-2-pentanone	1,000	< 6.2	< 6.4	< 1.0
Acetone	200	< 6.2	< 6.4	< 1.0
Acrolein	NS	< 31	< 32	< 1.0
Acrylonitrile	NS	< 6.2	< 6.4	< 1.0
Carbon Disulfide	2,700	< 6.2	< 6.4	< 1.0
Chlorodifluoromethane	NS	< 6.2	< 6.4	< 1.0
Diisopropyl ether	NS	< 6.2	< 6.4	< 1.0
Ethanol	NS	< 31	< 32	< 1.0
Ethyl acetate	NS	< 6.2	< 6.4	< 1.0
Freon-114	NS	< 6.2	< 6.4	< 1.0
Isopropyl acetate	NS	< 6.2	< 6.4	< 1.0
n-Amyl acetate	NS	< 6.2	< 6.4	< 1.0
Naphthalene	NS	< 6.2	< 6.4	< 1.0
n-Butyl acetate	NS	< 6.2	< 6.4	< 1.0
n-Propyl acetate	NS	< 6.2	< 6.4	< 1.0
p-Diethylbenzene	NS	< 6.2	< 6.4	< 1.0
p-ethyltoluene	NS	< 6.2	< 6.4	< 1.0
t-Butyl alcohol	NS	< 6.2	< 6.4	< 1.0
Vinyl acetate	NS	< 6.2	< 6.4	< 1.0
Freon-113	6,000	< 6.2	< 6.4	< 1.0
1,2,4,5-tetramethylbenzene	NS NS	< 6.2	< 6.4	< 1.0
1,2-dibromo-3-chloropropane	NS	< 6.2	< 6.4	< 1.0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

NS - No RSCO

Bolded text denotes RSCO Exceedance.

- * No specific RSCO established, RSCO of 10,000 ug/kg for total VOCs is used. All units are ug/kg.
- B Compound detected in laboratory blank.

TABLE 2

Soil Sample Analytical Results for Semi-volatile Organic Compounds by EPA Method 8270

One Shore Road, Glenwood Landing, New York

Compound	NYSDEC Standard ⁽¹⁾	DW-8 (8/24/06)	DW-10 (8/24/06)
Phenol	30 or MDL	< 140	< 150
Bis(2-chloroethyl)ether	50,000 [*]	< 140	<150
1,3-Dichlorobenzene	1,000	< 140	<150
1,4-Dichlorobenzene	1,800	< 140	<150
1,2-Dichlorobenzene	1,100	< 140	<150
Benzyl alcohol	NS	< 140	<150
2-Methylphenol	100 or MDL	< 140	<150
N-Nitrosodi-n-propylamine	50,000 [*]	< 140	<150
Hexachloroethane	50,000 [*]	< 140	<150
4-Methylphenol	900	< 140	<150
2-Chlorophenol	800	< 140	<150
Nitrobenzene	50 or MDL	< 140	<150
Bis(2-chloroethoxy)methane	50,000 [*]	< 140	<150
1,2,4-Trichlorobenzene	8,300	< 140	<150
Isophorone	1,000	< 140	<150
2,4-Dimethylphenol	NS NS	< 140	<150
Hexachlorobutadiene	50,000 [*]	< 140	<150
Naphthalene	13,000	< 140	<150
2,4-Dichlorophenol	400	< 140	<150
4-Chloroaniline	3,100	< 140	<150
2,4,6-Trichlorophenol	NS	< 140	<150
2,4,5-Trichlorophenol	100	< 140	<150
Hexachlorocyclopentadiene	50,000	< 140	<150
2-Methylnaphthalene	36,400	< 140	<150
2-Nitroanaline	430 or MDL	< 140	<150
2-Chloronaphthalene	50,000 [*]	< 140	<150
4-Chloro-3-methylphenol	240 or MDL	< 140	<150
2,6-Dinitrotoluene	500	< 140	<150
2-Nitrophenol	330 or MDL	< 140	<150
3-Nitroanaline	500 or MDL	< 140	<150
Dimethylphthalate	2,300	< 140	<150
2,4-Dinitrophenol	200 or MDL	< 140	<150
Acenaphthylene	41,000	< 140	<150
2,4-Dinitrotoluene	50,000*	< 140	<150
Acenaphthene	50,000	< 140	<150
Dibenzofuran	6,200	< 140	<150
4-Nitrophenol	100 or MDL	< 140	<150
Fluorene	50,000	< 140	<150
4-Nitroanaline	NS	< 140	<150
4-Bromophenyl phenyl ether	50,000 [*]	< 140	<150
Hexachlorobenzene	400	< 140	<150
Diethylphthalate	7,100	< 140	<150
4-Chlorophenyl phenyl ether	NS	< 140	<150
Pentachlorophenol	1,000 or MDL	< 140	<150
n-Nitrosodiphenylamine	NS	< 140	<150
4,6-Dintro-2-methylphenol	NS	< 140	<150
Phenanthrene	50,000	280	340

Anthracene	50,000 [*]	76 J	<150
Carbazole	NS	< 140	<150
Di-n-butylphthalate	50,000	< 140	<150
Fluoroanthene	50,000 [*]	390	500
Pyrene	50,000	430	480
Butylbenzylphthalate	50,000	< 140	<150
Benzo(a)anthracene	224 or MDL	180	190
Chrysene	400	200	230
3,3-Dichlorobenzidine	1,400	< 140	<150
Bis(2-ethylhexyl)phthalate	50,000	< 140	<150
Di-n-octylphthalate	50,000	< 140	<150
Benzo(b)fluoranthene	61 or MDL	250	250
Benzo(k)fluoranthene	610 or MDL	87 J	99 J
Benzo (a) pyrene	61 or MDL	210	180
Indeno(1,2,3-cd)pyrene	3,200	120 J	120 J
Dibenzo(a,h)anthracene	14.3 or MDL	< 140	<150
Benzo(g,h,i)perylene	50,000*	130 J	120 J
3+4 Methylphenol	20 or MDL	<140	<150
Aniline	100	<140	<150
Azobenzene	NS	<140	<150
Benzidene	NS	<140	<150
Benzoic Acid	NS	<140	<150
Bis(2-chloroisopropyl) ether	NS	<140	<150
N-Nitrosodimethylamine	NS	<140	<150
Pyridine	NS	<140	<150

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

NS - No RSCO established for this compound.

Bolded text denotes RSCO Exceedance.

* - No specific RSCO established, RSCO of 50,000 μg/kg for total SVOCs is used.

All units are µg/kg.

J - Result is less than the reporting limit, but greater than or equal to the method detection limit.

MDL - Method Detection Limit

Soil Sample Analytical Results for Total Metals by EPA Method 6010 One Shore Road, Glenwood Landing, New York

TABLE 3

Compound	NYSDEC Standard ⁽¹⁾	Eastern USA Background ⁽²⁾	DW-8	DW-10
Arsenic	7.5 or SB	3-12	3.42	1.06
Barium	300 or SB	15-600	35.9	7.32
Cadmium	10	0.1-1	0.651	0.643
Chromium	50	1.5-40	10.5	5.96
Lead	400	200-500	94.3	62.4
Mercury	0.1 or SB	0.001-0.2	0.174	0.0664
Selenium	2 or SB	0.1-3.9	< 0.592	0.664
Silver	SB	N/A	< 0.474	<0.497

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives, Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

All units are mg/kg.

SB - Site Background.

N/A - Not Available.

TABLE 4
Soil Sample Analytical Results for Volatile Organic Compounds by EPA Method 8260
One Shore Road, Glenwood Landing, New York

Compound	NYSDEC	SB-8	Trip	Field
	Standard	13'-15'	Blank	Blank
Diable rediffueremethane	10.000*	(DW-9)	8/30/2006	8/30/2006
Dichlorodifluoromethane	10,000*	< 6.1	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	10,000*	< 6.1	< 1.0	< 1.0
1,1,1-Trichloroethane	700	< 6.1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	400	< 6.1	< 1.0	< 1.0
1,1,2-Trichloroethane	10,000*	< 6.1	< 1.0	< 1.0
1,1-Dichloroethane	300	< 6.1	< 1.0	< 1.0
1,1-Dichloroethene	300	< 6.1	< 1.0	< 1.0
1,1-Dichloropropene	10,000*	< 6.1	< 1.0	< 1.0
1,2,3-Trichlorobenzene	8,300	<u>< 6.</u> 1	< 1.0	< 1.0
1,2,3-Trichloropropane	10,000 [*]	< 6.1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	8,300	< 6.1	< 1.0	< 1.0
1,2,4-Trimethylbenzene	NS	< 6.1	< 1.0	< 1.0
1,2-Dichlorobenzene	7,900	< 6.1	< 1.0	< 1.0
1,2-Dichloroethane	20 or MDL	< 6.1	< 1.0	< 1.0
1,2-Dichloropropane	10,000	< 6.1	< 1.0	< 1.0
1,3,5-Trimethylbenzene	3,300	< 6.1	< 1.0	< 1.0
1,3-Dichlorobenzene	1,600	< 6.1	< 1.0	< 1.0
1,3-Dichloropropane	10,000	< 6.1	< 1.0	< 1.0
1,4-Dichlorobenzene	8,500	< 6.1	< 1.0	< 1.0
2,2-Dichloropropane	10,000	< 6.1	< 1.0	< 1.0
2-Chlorotoluene	10,000	< 6.1	< 1.0	< 1.0
4-Chlorotoluene	10,000*	< 6.1	< 1.0	< 1.0
Benzene	60	< 6.1	< 1.0	< 1.0
Bromobenzene	10,000	< 6.1	< 1.0	< 1.0
Bromochloromethane	10,000	< 6.1	< 1.0	< 1.0
Bromodichloromethane	10,000	< 6.1	< 1.0	< 1.0
Bromoform	10,000	< 6.1	< 1.0	< 1.0
Bromomethane	10,000*	< 6.1	< 1.0	< 1.0
Carbon Tetrachloride	800	< 6.1	< 1.0	< 1.0
Chlorobenzene	1,100	< 6.1	< 1.0	< 1.0
Chloroethane	200	< 6.1	< 1.0	< 1.0
Chloroform	400	< 6.1	< 1.0	< 1.0
Chloromethane	10,000	< 6.1	< 1.0	< 1.0
cis-1,2-Dichloroethene	200	< 6.1	< 1.0	< 1.0
cis-1,3-Dichloropropene	NS	< 6.1	< 1.0	< 1.0
Dibromochloromethane	NS	< 6.1	< 1.0	< 1.0
Dibromomethane	10,000	< 6.1	< 1.0	< 1.0
Ethyl benzene	5,500	< 6.1	< 1.0	< 1.0
Hexachlorobutadiene	10,000	< 6.1	< 1.0	< 1.0
Isopropylbenzene	2,300	< 6.1	< 1.0	< 1.0
m + p Xylene	1,200	< 12	< 2.0	< 2.0
Methyl tertiary butyl ether	1,200	< 6.1	< 1.0	< 1.0
Methylene Chloride	50 or MDL	11 B	5.1 B	5.2 B

n-Butylbenzene	NS	< 6.1	< 1.0	< 1.0
n-Propylbenzene	3,700	< 6.1	< 1.0	< 1.0
	1,200	< 6.1	< 1.0	< 1.0
o Xylene 4-Isopropyltoluene	NS	< 6.1	< 1.0	< 1.0
sec-Butylbenzene	NS NS	< 6.1	< 1.0	< 1.0
Styrene	10,000	< 6.1	< 1.0	< 1.0
tert-Butylbenzene	10,000	< 6.1	< 1.0	< 1.0
Tetrachloroethene	1,300	< 6.1	< 1.0	< 1.0
Toluene	1,500	26	< 1.0	< 1.0
trans-1,2-Dichloroethene	200	< 6.1		
			< 1.0	< 1.0
trans-1,3-Dichloropropene	NS FOO	< 6.1	< 1.0	< 1.0
Trichloroethene	500	< 6.1	< 1.0	< 1.0
Trichlorofluoromethane_	10,000*	< 6.1	< 1.0	< 1.0
Vinyl chloride	200	< 6.1	< 1.0	< 1.0
2-propanol	NS	< 61	< 50	< 50
1,2-Dibromoethane	NS	< 6.1	< 1.0	< 1.0
2-Butanone	300	< 6.1	< 1.0	< 1.0
2-Chloroethyl vinyl ether	NS	< 6.1	< 1.0	< 1.0
2-Hexanone	NS	< 6.1	< 1.0	< 1.0
4-Methyl-2-pentanone	1,000	< 6.1	< 1.0	< 1.0
Acetone	200	< 6.1	< 1.0	< 1.0
Acrolein	<u>NS</u>	< 31	< 1.0	< 1.0
Acrylonitrile	NS	< 6.1	< 1.0	< 1.0
Carbon Disulfide	2,700	< 6.1	< 1.0	< 1.0
Chlorodifluoromethane	NS	< 6.1	< 1.0	< 1.0
Diisopropyl ether	NS	< 6.1	< 1.0	< 1.0
Ethanol	NS	< 31	< 1.0	< 1.0
Ethyl acetate	NS	< 6.1	< 1.0	< 1.0
Freon-114	NS_	< 6.1	< 1.0	< 1.0
Isopropyl acetate	NS	< 6.1	< 1.0	< 1.0
n-Amyl acetate	NS	< 6.1	< 1.0	< 1.0
Naphthalene	NS	< 6.1	< 1.0	< 1.0
n-Butyl acetate	NS	< 6.1	< 1.0	< 1.0
n-Propyl acetate	NS	< 6.1	< 1.0	< 1.0
p-Diethylbenzene	NS	< 6.1	< 1.0	< 1.0
p-ethyltoluene	NS	< 6.1	< 1.0	< 1.0
t-Butyl alcohol	NS	< 6.1	< 1.0	< 1.0
Vinyl acetate	NS	< 6.1	< 1.0	< 1.0
Freon-113	6,000	< 6.1	< 1.0	< 1.0
1,2,4,5-tetramethylbenzene	NS	< 6.1	< 1.0	< 1.0
1,2-dibromo-3-chloropropane	NS	< 6.1	< 1.0	< 1.0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

NS-No RSCO established for this compound.

- * No specific RSCO established, RSCO of 10,000 ug/kg for total VOCs is used. All units are $\mu g/kg.$
- B Compound detected in laboratory blank.

TABLE 5

Soil Sample Analytical Results Semi-volatile Organic Compounds by EPA Method 8270 One Shore Road, Glenwood Landing, New York

Compound	NYSDEC Standard ⁽¹⁾	SB-8, 13'-15' (DW-9)
Phenol	30 or MDL	< 150
Bis(2-chloroethyl)ether	50,000	< 150
1,3-Dichlorobenzene	1,000	< 150
1,4-Dichlorobenzene	1,800	< 150
1,2-Dichlorobenzene	1,100	< 150
Benzyl alcohol	NS	< 150
2-Methylphenol	100 or MDL	< 150
N-Nitrosodi-n-propylamine	50,000 [*]	< 150
Hexachloroethane	50,000*	< 150
4-Methylphenol	900	< 150
2-Chlorophenol	800	< 150
Nitrobenzene	50 or MDL	< 150
Bis(2-chloroethoxy)methane	50,000	< 150
1,2,4-Trichlorobenzene	8,300	< 150
Isophorone	1,000	< 150
2,4-Dimethylphenol	NS	< 150
Hexachlorobutadiene	50,000 [*]	< 150
Naphthalene	13,000	< 150
2,4-Dichlorophenol	400	< 150
4-Chloroaniline	3,100	< 150
2,4,6-Trichlorophenol	NS	< 150
2,4,5-Trichlorophenol	100	< 150
Hexachlorocyclopentadiene	50,000	< 150
2-Methylnaphthalene	36,400	< 150
2-Nitroanaline	430 or MDL	< 150
2-Chloronaphthalene	50,000 [*]	< 150
4-Chloro-3-methylphenol	240 or MDL	< 150
2,6-Dinitrotoluene	500	< 150
2-Nitrophenol	330 or MDL	< 150
3-Nitroanaline	500 or MDL	< 150
Dimethylphthalate	2,300	< 150
2,4-Dinitrophenol	200 or MDL	< 150
Acenaphthylene	41,000	< 150
2,4-Dinitrotoluene	50,000*	< 150
Acenaphthene	50,000*	< 150
Dibenzofuran	6,200	< 150
4-Nitrophenol	100 or MDL	< 150
Fluorene	50,000	< 150
4-Nitroanaline	NS	< 150
4-Bromophenyl phenyl ether	50,000*	< 150
Hexachlorobenzene	400	< 150
Diethylphthalate	7,100	< 150

4 01 1 1 1 1	NO	450
4-Chlorophenyl phenyl ether	NS	< 150
Pentachlorophenol	1,000 or MDL	< 150
n-Nitrosodiphenylamine	NS	< 150
4,6-Dintro-2-methylphenol	NS	< 150
Phenanthrene	50,000	< 150
Anthracene	50,000 [*]	< 1 <u>5</u> 0
Carbazole	NS	< 150
Di-n-butylphthalate	50,000 [*]	< 150
Fluoroanthene	50,000	< 150
Pyrene	50,000 [*]	< 150
Butylbenzylphthalate	50,000*	< 150
Benzo(a)anthracene	224 or MDL	< 150
Chrysene	400	< 150
3,3-Dichlorobenzidine	1,400	< 150
Bis(2-ethylhexyl)phthalate	50,000	< 150
Di-n-octylphthalate	50,000 [*]	< 150
Benzo(b)fluoranthene	61 or MDL	< 150
Benzo(k)fluoranthene	610 or MDL	< 150
Benzo (a) pyrene	61 or MDL	< 150
Indeno(1,2,3-cd)pyrene	3,200	< 150
Dibenzo(a,h)anthracene	14.3 or MDL	< 150
Benzo(g,h,i)perylene	50,000*	< 150
3+4 Methylphenol	20 or MDL	< 150
Aniline	100	< 150
Azobenzene	NS	< 150
Benzidene	NS	< 150
Benzoic Acid	NS	< 150
Bis(2-chloroisopropyl) ether	NS	< 150
N-Nitrosodimethylamine	NS	< 150
Pyridine	NS	< 150

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

NS - No RSCO established for this compound.

 * - No specific RSCO established, RSCO of 50,000 µg/kg for total SVOCs is used. All units are µg/kg.

MDL - Method Detection Limit.

Soil Sample Analytical Results for Total Metals by EPA Method 6010 One Shore Road, Glenwood Landing, New York

TABLE 6

Compound	NYSDEC RSCO (1)	Eastern USA Background	SB-8, 13'-15' (DW-9)
Arsenic	7.5 or SB	•3-12	0.601
Barium	300 or SB	15-600	3.06
Cadmium	10	0.1-1	0.835
Chromium	50	1.5-40	1.13
Lead	400	200-500	38.6
Mercury	0.1 or SB	0.001-0.2	< 0.0116
Selenium	2 or SB	0.1-3.9	< 0.601
Silver	SB	N/A	< 0.481

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives, Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.

All units are mg/kg.

SB - Site Background.



Appendix A
USEPA Closure Letter



REGION 2 290 BROADWAY NEW YORK, NY 10007-1866

NOV 1 2 2003

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Article Number: 7002 2030 0006 5360 7344

Property Owner:
Larry Weinberger
Glenwood Realty, LLC
P.O. Box 1356
Roslyn Heights, NY 11577

Facility:
Former Penetrex Site
1 Shore Road
Glenwood Landing, NY 11547
NYSDEC Site # 1-30-034

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Re: Class V Underground Injection Wells and File Closure

Class V Underground Injection Wells and Authorization by Rule

Dear Mr. Weinberger:

The Ground Water Compliance Section of the U.S. Environmental Protection Agency (EPA) has reviewed the Storm Drain and Sanitary Leaching Pool Remediation and Closure Report prepared by P.W. Grosser Consulting, Inc. (dated September 9, 2003), concerning the closure and removal from service of drywells DW-2 and DW-3. DW-2 and DW-3 have been closed and sealed to the satisfaction of this office, and the EPA will now close its Underground Injection Control (UIC) file on drywells DW-2 and DW-3.

The Storm Drain and Sanitary Leaching Pool Remediation and Closure Report also concerned the remediations of five Class V injection wells. These were the remediation of the western sanitary septic system (seepage pit, A-1, and the distribution box), the active stormwater drainage well DW-1, the inactive storm water drainage well DW-4 converted to a residential secondary overflow leaching pool, and the active cesspool DW-5. These injection wells have been remediated to the satisfaction of this office.

The continued use of these as Class V wells, in accordance with applicable EPA regulations, is approved. The injection wells are considered active Class V UIC wells. There may be additional regulatory requirements when future regulations for Class V wells become promulgated. The Class V injection wells are authorized by rule pursuant to Title 40 of the Code of Federal Regulations (C.F.R.), §144.24.

In accordance with 40 C.F.R., § § 144.84(b)(2), 144.85, and 144.88 (Table), existing large capacity cesspools must be closed by April 5, 2005. You must notify the UIC program director (below) of your intent to close the cesspool at least 30 days prior to closure.

Should any conditions change (such as return of the residential well DW-4 to a commercial well, injectate composition, accidental spills into the system, sealing the drywells, injection of cooling water more than 90° Fahrenheit, construction of additional wells, etc.), you are required to notify this office, specifically:

Charles Hillenbrand, Chief Ground Water Compliance Section, 2DECA-WCB, 20th Floor U.S. Environmental Protection Agency 290 Broadway New York, NY 10007-1866

If you have any questions, you may contact Margaret Halley of my staff at (212) 637-3092.

Sincerely,

Charles Hillenbrand, Ph.D., Chief

lears

Ground Water Compliance Section

cc: Bill Spitz, NYSDEC, Region 1

Walter Parish, NYSDEC, Region 1

John Lovejoy, NCHD-Bureau of Water Supply Protection

Joe Jones NYSDEC Central Office 625 Broadway Albany NY 12207-2942

Dave Yudelson, Esq. Sive, Paget & Riesel PC 460 Park Avenue New York, NY 10022

Bruce Mackay
P. W. Grosser Consulting, Inc.
Suite 7
630 Johnson Avenue
Bohemia NY 11716-2618



Appendix B Laboratory Data Sheets



NYSDOH NJDEP CTDOH

PADEP

11418 NY050 PH-0205 68-00573

Friday, September 01, 2006

Jim Rhodes P.W. Grosser Consulting 630 Johnson Avenue Suite 7 Bohemia, NY 11716

TEL: (631) 589-6353 FAX (631) 589-8705

RE: PEN-Glenwood Landing

Dear Jim Rhodes:

Order No.: 0608273

American Analytical Laboratories, LLC. received 5 sample(s) on 8/24/2006 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The limits provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lon Beyer

Lab Director

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Project:

PEN-Glenwood Landing

Lab Order:

0608273

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
0608273-01A	DW-8	10005	8/24/2006 11:25:00 AM	8/24/2006
0608273-02A	DW-10	10005	8/24/2006 12:50:00 PM	8/24/2006
0608273-03A	MDA-10	10005	8/24/2006 10:30:00 AM	8/24/2006
0608273-04A	Trip Blank	10005	8/24/2006	8/24/2006
0608273-05A	Field Blank	10005	8/24/2006 11:10:00 AM	8/24/2006

AMERICAN ANAIVIICAL EABORATORIES

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 (631) 454-6100 • FAX (631) 454-8027

1000 TAG # / COC__

11418 PH-0205 NY050 68-573 NYSDOH CTDOH NJDEP PADEP

	CH	NN	CHAIN OF CUSTO	JDY / REQUE	DY / REQUEST FOR ANALYSIS DOCUMENT	S DOCUM	ENT	
CLIENT NAME/ADDRESS	SSS			CONTACT: J'M Rhodes	SAMPLER STGUNDARE)	S	SAMPLE(S) YE	YES / NO
Bohemia, NY 11716	on A	26,5 171	te, 7 6		SAMPLER NAME (PRINT) JOHN FICH EL	, A	CORRECT YE	YES / NO
PROJECT LOCATION: PEN- Glenwood Landing	lenw	ood	Landing		TO SOLVE TO		1	80
LABORATORY ID #	MATRIX	MATRIX # CON-		SAMPLE # - LOCATION			METHANOL SAM I VOLATII	METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
AL 57534	S	_	8/24/06 1030	MDA-10	×			
118	S	7	1125	8-Ma	×××			
te	S	7	1250	DM-10	×××			,
<i>t</i> / <i>h</i>		7	1	Trio Blank	×			
\$2	_1	7	V 111.0	Field Blank	×			
				, prince in				
			246					
						COOLER TEMPERATURE:	MPERATURE:	
MATRIX S=SOIL	- IS -UII OI	SI LINGE: A	AID: W=MIDE: D=DAINT	MATRIX S=SOII : 1=1 MID: SI = SI LIDE: A AID: W=\MIDE: D=DAINT CHIDS: R=RIIK MATEDIAI	THENABOLIMD REQUIRED:	COMMENTS /	INSTRUCTIONS	
TYPE G=GRAB; C	C=COMPO	SITE, SS=(G-GRAB; C-COMPOSITE, SS-SPLIT SPOON		NORMAL (4 STAT (2 BY /	/ OA/ac	od/ac summery	to
RELINGUISHED BY (SIGNATURE)	SIGNATUR V		SATE -06 PRINT	PATE - 06 PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE PR	PRINTED NAME	
I me	che	_	1635		(X)	4.35	J. GREAN	1
RELINQUISHED BY (SIGNATURE)	SIGNATUR		DATE PRINTED		RECEIVED BY LAB (SIGNATURE)		PRINTED NAME	
			TIME			TIME		•

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

AMERICAN ANALYTICAL LABORATORIES, LLC 56 TOLEDO STREET

FARMINGDALE, NEW YORK 11735 TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	 Indicates an estimated value. The flag is used: When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
В	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
н	Indicates sample was received and/or analyzed outside of The method allowable holding time

Date: 01-Sep-06

CLIENT: Lab Order:

Lab ID:

P.W. Grosser Consulting

0608273

0000273

0608273-01A

...

Client Sample ID: DW-8 Tag Number: 10005

Project: PEN-Glenwood Landing

Collection Date: 8/24/2006 11:25:00 AM

Matrix: SOIL

Analyses	Result	Limit Qua	l Units	DF	Date Analyzed
MERCURY		SW7471B			Analyst: WN
Mercury	0.174	0.0114	mg/Kg-dry	1	8/29/2006 3:34:17 PM
PERCENT MOISTURE		D2216			Analyst: PA
Percent Moisture	16.9	0	wt%	1	8/28/2006
NCDH METALS		SW6010B			Analyst: JP
Arsenic	3.42	0.592	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Barium	35.9	0.474	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Cadmium	0.651	0.237	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Chromium	10.5	0.474	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Lead	94.3	0.355	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Selenium	U	0.592	mg/Kg-dry	1	8/29/2006 10:53:25 AM
Silver	U	0.474	mg/Kg-dry	1	8/29/2006 10:53:25 AM
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW3550)A	Analyst: RN
1,2,4-Trichlorobenzene	U	140	μ g/Kg-dry	1	8/29/2006 11:52:00 PM
1,2-Dichlorobenzene	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
1,3-Dichlorobenzene	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
1,4-Dichlorobenzene	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2,4,5-Trichlorophenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2,4,6-Trichlorophenol	U	140	μ g/ Kg-dry	1	8/29/2006 11:52:00 PM
2,4-Dichlorophenol	U	140	μ g/ Kg-dry	1	8/29/2006 11:52:00 PM
2,4-Dimethylphenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2,4-Dinitrophenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2,4-Dinitrotoluene	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2,6-Dinitrotoluene	บ	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2-Chloronaphthalene	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2-Chlorophenol	U	140	μg/Kg∹dry	1	8/29/2006 11:52:00 PM
2-Methylnaphthalene	U	140	μ g /Kg-dry	1	8/29/2006 11:52:00 PM
2-Methylphenol	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
2-Nitroaniline	ប	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
2-Nitrophenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
3,3'-Dichlorobenzidine	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
3+4-Methylphenol	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
3-Nitroaniline	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
4,6-Dinitro-2-methylphenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
4-Bromophenyl phenyl ether	บ	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
4-Chloro-3-methylphenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
4-Chloroaniline	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
4-Chlorophenyl phenyl ether	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
4-Nitroaniline	υ	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM

- B Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Client Sample ID: DW-8

Lab Order:

0608273

0608273-01A

Tag Number: 10005

Project: Lab ID: PEN-Glenwood Landing

Collection Date: 8/24/2006 11:25:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE SW-846 METHOD 8270		\$W8	270D	SW355	0A	Analyst: RN
4-Nitrophenol	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Acenaphthene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Acenaphthylene	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Aniline	U	140		μ g/Kg-dry	1	8/29/2006 11:52:00 PM
Anthracene	76	140	J	µg/Kg-dry	1	8/29/2006 11:52:00 PM
Azobenzene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzidine	U	140		μg/K g-dr y	1	8/29/2006 11:52:00 PM
Benzo(a)anthracene	180	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzo(a)pyrene	210	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzo(b)fluoranthene	250	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzo(g,h,i)perylene	130	140	J	μg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzo(k)fluoranthene	87	140	J	μg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzoic acid	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Benzyl alcohol	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Bis(2-chloroethoxy)methane	U	140		μ g /Kg-dry	1	8/29/2006 11:52:00 PM
Bis(2-chloroethyl)ether	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Bis(2-chloroisopropyl)ether	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Bis(2-ethylhexyl)phthalate	U	140		μ g/ Kg-dry	1	8/29/2006 11:52:00 PM
Butyl benzyl phthalate	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Carbazole	ư	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Chrysene	200	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Dibenzo(a,h)anthracene	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Dibenzofuran	υ	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Diethyl phthalate	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Dimethyl phthalate	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Di-n-butyl phthalate	110	140	J	μ g/Kg-dry	1	8/29/2006 11:52:00 PM
Di-n-octyl phthalate	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Fluoranthene	390	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Fluorene	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Hexachiorobenzene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Hexachlorobutadiene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Hexachlorocyclopentadiene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Hexachioroethane	U	140		μg/Kg-dry	1	8/29/2006 11:52:00 PM
Indeno(1,2,3-c,d)pyrene	120	140	J	µg/Kg-dry	1	8/29/2006 11:52:00 PM
sophorone	U	140		µg/Kg-dīy	1	8/29/2006 11:52:00 PM
Naphthalene	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
Nitrobenzene	IJ	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
N-Nitrosodimethylamine	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM
N-Nitrosodi-n-propylamine	U	140		µg/Kg-dry	1	8/29/2006 11:52:00 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

0608273

Lab Order: Project:

PEN-Glenwood Landing

Lab ID:

0608273-01A

Client Sample ID: DW-8

Tag Number: 10005

Collection Date: 8/24/2006 11:25:00 AM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW355	0A	Analyst: RN
N-Nitrosodiphenylamine	IJ	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
Pentachlorophenol	U	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
Phenanthrene	280	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
Phenol	บ	140	μg/Kg-dry	1	8/29/2006 11:52:00 PM
Pyrene	430	140	μ g /Kg-dry	1	8/29/2006 11:52:00 PM
Pyridine	U	140	µg/Kg-dry	1	8/29/2006 11:52:00 PM
VOLATILE SW-846 METHOD 8260		SW8260B	SW503	0A	Analyst: LDS
1,1,1,2-Tetrachloroethane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1,1-Trichloroethane	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1,2,2-Tetrachloroethane	ប	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1,2-Trichloroethane	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1-Dichloroethane	ប	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1-Dichloroethene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,1-Dichloropropene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2,3-Trichlorobenzene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2,3-Trichloropropane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2,4,5-Tetramethylbenzene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2,4-Trichlorobenzene	บ	6.2	µg/K g -dry	1	8/29/2006 8:09:00 AM
1,2,4-Trimethylbenzene	ប	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2-Dibromo-3-chloropropane	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2-Dibromoethane	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2-Dichlorobenzene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2-Dichloroethane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,2-Dichloropropane	ប	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,3,5-Trimethylbenzene	υ	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
1,3-Dichlorobenzene	υ	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,3-dichloropropane	υ	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
1,4-Dichlorobenzene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
2,2-Dichloropropane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
2-Butanone	ប	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
2-Chloroethyl vinyl ether	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
2-Chlorotoluene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
2-Hexanone	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
2-Propanol	U	62	µg/Kg-dry	1	8/29/2006 8:09:00 AM
4-Chlorotoluene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
4-Isopropyltoluene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
4-Methyl-2-pentanone	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
Acetone	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT: Lab Order: P.W. Grosser Consulting

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-01A

Client Sample ID: DW-8

Tag Number: 10005

Collection Date: 8/24/2006 11:25:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW82	60B	SW503	0A	Analyst: LD:
Acrolein	U	31		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Acrylonitrile	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Benzene	υ	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Bromobenzene	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Bromochloromethane	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Bromodichloromethane	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Bromoform	ប	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Bromomethane	υ	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Carbon disulfide	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Carbon tetrachloride	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Chlorobenzene	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Chlorodifluoromethane	υ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Chloroethane	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Chloroform	υ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Chloromethane	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
cis-1,2-Dichloroethene	7.7	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
cis-1,3-Dichloropropene	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Dibromochloromethane	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Dibromomethane	IJ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Dichlorodifluoromethane	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Diisopropyl ether	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Ethanol	υ	31		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Ethyl acetate	υ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Ethylbenzene	บ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Freon-114	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Hexachlorobutadiene	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
isopropyl acetate	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Isopropylbenzene	บ	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
m,p-Xylene	U	12		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Methyl tert-butyl ether	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
Methylene chloride	37	6.2	В	μg/Kg-dry	1	8/29/2006 8:09:00 AM
n-Amyl acetate	υ	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
Naphthalene	บ	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
n-Butyl acetate	U	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM
n-Butylbenzene	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
n-Propyl acetate	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
n-Propylbenzene	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
o-Xylene	U	6.2		µg/Kg-dry	1	8/29/2006 8:09:00 AM
p-Diethylbenzene	Ų	6.2		μg/Kg-dry	1	8/29/2006 8:09:00 AM

- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- Analyte detected below quantitation limits J
- Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

0608273-01A

Client Sample ID: DW-8

Tag Number: 10005

Project: Lab ID: PEN-Glenwood Landing

Collection Date: 8/24/2006 11:25:00 AM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030	Α	Analyst: LDS
p-Ethyltoluene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
sec-Butylbenzene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Styrene	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
t-Butyl alcohol	U	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
tert-Butylbenzene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Tetrachloroethene	52	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Toluene	ប	6.2	µg/Kg-dry	1	8/29/2006 8:09:00 AM
trans-1,2-Dichloroethene	U	6.2	ug/Kg-dry	1	8/29/2006 8:09:00 AM
trans-1,3-Dichloropropene	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Trichloroethene	11	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Trichlorofluoromethane	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Vinyl acetate	U	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM
Vinyl chloride	Ü	6.2	μg/Kg-dry	1	8/29/2006 8:09:00 AM

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-02A

Client Sample ID: DW-10

Tag Number: 10005

Collection Date: 8/24/2006 12:50:00 PM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
MERCURY		SW7471B	SW7471B		Analyst: WN
Mercury	0.0664	0.0112	mg/Kg-dry	1	8/29/2006 3:36:25 PM
PERCENT MOISTURE		D2216			Analyst: PA
Percent Moisture	20.7	0	wt%	1	8/28/2006
NCDH METALS		SW6010B	SW3050A		Analyst: JP
Arsenic	1.06	0.621	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Barium	7.32	0.497	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Cadmium	0.643	0.248	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Chromium	5.96	0.497	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Lead	62.4	0.373	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Selenium	0.664	0.621	mg/Kg-dry	1	8/29/2006 10:56:07 AM
Silver	U	0.497	mg/Kg-dry	1	8/29/2006 10:56:07 AM
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW3550A		Analyst: RN
1,2,4-Trichlorobenzene	U	150	μ g/Kg-dry	1	8/30/2006 12:17:00 AM
1,2-Dichlorobenzene	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
1,3-Dichlorobenzene	U	150	μ g /Kg-dry	1	8/30/2006 12:17:00 AM
1,4-Dichlorobenzene	IJ	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4,5-Trichlorophenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4,6-Trichlorophenol	IJ	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4-Dichlorophenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4-Dimethylphenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4-Dinitrophenol	บ	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,4-Dinitrotoluene	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2,6-Dinitrotoluene	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Chloronaphthalene	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Chlorophenol	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Methylnaphthalene	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Methylphenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Nitroanlline	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
2-Nitrophenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
3,3'-Dichlorobenzidine	IJ	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
3+4-Methylphenol	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
3-Nitroaniline	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
4,6-Dinitro-2-methylphenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
4-Bromophenyl phenyl ether	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
4-Chloro-3-methylphenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
4-Chloroaniline	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
4-Chlorophenyl phenyl ether	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
4-Nitroaniline	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

0608273-02A

Client Sample ID: DW-10

Tag Number: 10005

Project: Lab ID: PEN-Glenwood Landing

Collection Date: 8/24/2006 12:50:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE SW-846 METHOD 8270		SW8	270D	SW355	0A	Analyst: RN
4-Nitrophenol	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Acenaphthene	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Acenaphthylene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Aniline	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Anthracene	บ	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Azobenzene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzidine	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzo(a)anthracene	190	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzo(a)pyrene	180	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzo(b)fluoranthene	250	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzo(g,h,i)perylene	120	150	j	µg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzo(k)fluoranthene	99	150	J	µg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzoic acid	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Benzyl alcohol	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Bis(2-chloroethoxy)methane	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Bis(2-chloroethyl)ether	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Bis(2-chforoisopropyl)ether	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Bis(2-ethylhexyl)phthalate	Ü	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Butyl benzyl phthalate	บ	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Carbazole	u	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Chrysene	230	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Dibenzo(a,h)anthracene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Dibenzofuran	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Diethyl phthalate	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Dimethyl phthalate	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Di-n-butyl phthalate	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Di-n-octyl phthalate	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Fluoranthene	500	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Fluorene	υ	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Hexachlorobenzene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Hexachlorobutadiene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Hexachlorocyclopentadiene	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Hexachloroethane	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Indeno(1,2,3-c,d)pyrene	120	150	J	μg/Kg-dry	1	8/30/2006 12:17:00 AM
Isophorone	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
Naphthalene	U	150		µg/Kg-dry	1	8/30/2006 12:17:00 AM
Nitrobenzene	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
N-Nitrosodimethylamine	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM
N-Nitrosodi-n-propylamine	U	150		μg/Kg-dry	1	8/30/2006 12:17:00 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
 - X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

Project:

PEN-Glenwood Landing

Lab ID:

0608273-02A

Client Sample ID: DW-10

Tag Number: 10005

Collection Date: 8/24/2006 12:50:00 PM

Matrix: SOIL

Analyses	Result	Limit Qua	al Units	DF	Date Analyzed
SEMIVOLATILE SW-846 METHOD 8270		SW8270	SW355	0A	Analyst: RN
N-Nitrosodiphenylamine	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
Pentachlorophenol	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
Phenanthrene	340	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
Phenol	U	150	µg/Kg-dry	1	8/30/2006 12:17:00 AM
Pyrene	480	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
Pyridine	U	150	μg/Kg-dry	1	8/30/2006 12:17:00 AM
VOLATILE SW-846 METHOD 8260		SW8260E	3 SW503	0A	Analyst: LDS
1,1,1,2-Tetrachioroethane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1,1-Trichloroethane	υ	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1,2,2-Tetrachloroethane	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1,2-Trichloroethane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1-Dichloroethane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1-Dichloroethene	ľ	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,1-Dichloropropene	บ	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2,3-Trichlorobenzene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2,3-Trichloropropane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2,4,5-Tetramethylbenzene	ľ	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2,4-Trichlorobenzene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2,4-Trimethylbenzene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2-Dibromo-3-chloropropane	U	6.4	μ g/ Kg-dry	1	8/29/2006 8:46:00 AM
1,2-Dibromoethane	Ü	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2-Dichlorobenzene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2-Dichloroethane	Ų	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,2-Dichloropropane	ľ	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,3,5-Trimethylbenzene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,3-Dichlorobenzene	Ų	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
1,3-dichloropropane	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
1,4-Dichlorobenzene	ŭ	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
2,2-Dichloropropane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
2-Butanone	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
2-Chloroethyl vinyl ether	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
2-Chlorotoluene	ŭ	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
2-Hexanone	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
2-Propanol	U	64	μg/Kg-dry	1	8/29/2006 8:46:00 AM
4-Chlorotoluene	U	6.4	μ g /Kg-dry	1	8/29/2006 8:46:00 AM
4-Isopropyltoluene	U	6.4	μ g/Kg-dry	1	8/29/2006 8:46:00 AM
4-Methyl-2-pentanone	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
Acetone	ľ	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

0608273-02A

Client Sample ID: DW-10 Tag Number: 10005

Project: Lab ID: PEN-Glenwood Landing

Collection Date: 8/24/2006 12:50:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW82	260B	SW503	0A	Analyst: LDS
Acrolein	U	32		µg/Kg-dry	1	8/29/2006 8:46:00 AM
Acrylonitrile	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Benzene	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Bromobenzene	U	6.4		μ g/Kg-dry	1	8/29/2006 8:46:00 AM
Bromochloromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Bromodichloromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Bromoform	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Bromomethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Carbon disulfide	U	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM
Carbon tetrachloride	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Chlorobenzene	U	6.4		μ g /Kg-dry	1	8/29/2006 8:46:00 AM
Chlorodifluoromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Chloroethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Chloroform	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Chloromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
cis-1,2-Dichloroethene	67	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM
cis-1,3-Dichloropropene	U	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM
Dibromochloromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Dibromomethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Dichlorodifluoromethane	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Diisopropyl ether	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Ethanol	U	32		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Ethyl acetate	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Ethylbenzene	υ	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Freon-114	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Hexachlorobutadiene	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Isopropyl acetate	U	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM
Isopropylbenzene	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
m,p-Xylene	U	13		μ g /Kg-dry	1	8/29/2006 8:46:00 AM
Methyl tert-butyl ether	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Methylene chloride	26	6.4	В	μg/Kg-diy	1	8/29/2006 8:46:00 AM
n-Amyl acetate	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
Naphthalene	U	6.4		μ g /Kg-dry	1	8/29/2006 8:46:00 AM
n-Butyl acetate	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
n-Butylbenzene	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
n-Propyl acetate	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
n-Propylbenzene	U	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM
o-Xylene	U	6.4		μg/Kg-dry	1	8/29/2006 8:46:00 AM
p-Diethylbenzene	U	6.4		µg/Kg-dry	1	8/29/2006 8:46:00 AM

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- S Spike Recovery outside accepted recovery limits
 - X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-02A

Client Sample ID: DW-10

Tag Number: 10005

Collection Date: 8/24/2006 12:50:00 PM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A		Analyst: LDS
p-Ethyltoluene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
sec-Butylbenzene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
Styrene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
t-Butyl alcohol	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
tert-Butylbenzene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
Tetrachloroethene	240	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
Toluene	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
trans-1,2-Dichloroethene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
trans-1,3-Dichloropropene	U	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
Trichloroethene	34	6.4	µg/Kg-dry	1	8/29/2006 8:46:00 AM
Trichlorofluoromethane	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
Vinyl acetate	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM
Vinyl chloride	U	6.4	μg/Kg-dry	1	8/29/2006 8:46:00 AM

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Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-03A

Client Sample ID: MDA-10

Tag Number: 10005

Collection Date: 8/24/2006 10:30:00 AM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216				Analyst: PA
Percent Moisture	20.2	0	wt%	1	8/28/2006
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A		Analyst: LDS
1,1,1,2-Tetrachloroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1,1-Trichloroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1,2,2-Tetrachloroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1,2-Trichloroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1-Dichloroethane	υ	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1-Dichloroethene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,1-Dichloropropene	U	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2,3-Trichlorobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2,3-Trichloropropane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2,4,5-Tetramethylbenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2,4-Trichlorobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2,4-Trimethylbenzene	บ	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2-Dibromo-3-chloropropane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2-Dibromoethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2-Dichlorobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2-Dichloroethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,2-Dichloropropane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,3,5-Trimethylbenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,3-Dichlorobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,3-dichloropropane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
1,4-Dichlorobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
2,2-Dichloropropane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
2-Butanone	U	6.5	μ g /Kg- d ry	1	8/29/2006 9:23:00 AM
2-Chloroethyl vinyl ether	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
2-Chlorotoluene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
2-Hexanone	IJ	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
2-Propanol	U	65	μg/Kg-dry	1	8/29/2006 9:23:00 AM
4-Chlorotoluene	U	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
4-Isopropyltoluene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
4-Methyl-2-pentanone	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Acetone	υ	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Acrolein	Ü	32	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Acrylonitrile	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Benzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Bromobenzene	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
Bromochloromethane	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM

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Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

PEN-Glenwood Landing

0608273

Client Sample ID: MDA-10 Tag Number: 10005

Lab Order:

Collection Date: 8/24/2006 10:30:00 AM

Project: Lab ID:

0608273-03A

Matrix: SOIL

Analyses	Result	Limit Q	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW826	60B	SW503		Analyst: LDS
Bromodichloromethane	Ų	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Bromoform	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Bromomethane	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Carbon disulfide	U	6.5		µg/Кg-dгу	1	8/29/2006 9:23:00 AM
Carbon tetrachloride	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Chlorobenzene	Ų	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Chlorodifluoromethane	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Chloroethane	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Chloroform	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Chloromethane	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
cis-1,2-Dichloroethene	920	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
cis-1,3-Dichloropropene	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Dibromochloromethane	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Dibromomethane	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Dichlorodifluoromethane	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Diisopropyl ether	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Ethanol	U	32		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Ethyl acetate	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Ethylbenzene	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Freon-114	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Hexachlorobutadiene	ľ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
Isopropyl acetate	Ŭ	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Isopropylbenzene	Ŭ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
m,p-Xylene	U	13		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Methyl tert-butyl ether	Ü	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Methylene chloride	21	6.5	В	μg/Kg-dry	1	8/29/2006 9:23:00 AM
n-Amyl acetate	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Naphthalene	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
n-Butyl acetate	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
n-Butylbenzene	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
n-Propyl acetate	IJ	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
n-Propylbenzene	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
o-Xylene	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
p-Diethylbenzene	υ	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
p-Ethyltolueлe	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
sec-Butylbenzene	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
Styrene	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM
t-Butyl alcohol	U	6.5		µg/Kg-dry	1	8/29/2006 9:23:00 AM
tert-Butylbenzene	U	6.5		μg/Kg-dry	1	8/29/2006 9:23:00 AM

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Ε Value above quantitation range
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- S Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-03A

Client Sample ID: MDA-10

Tag Number: 10005

Collection Date: 8/24/2006 10:30:00 AM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A		Analyst: LDS
Tetrachloroethene	410	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
Toluene	U	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
trans-1,2-Dichloroethene	55	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM
trans-1,3-Dichloropropene	U	6.5	μ g /Kg-dry	1	8/29/2006 9:23:00 AM
Trichloroethene	56	6.5	μ g/Kg-dry	1	8/29/2006 9:23:00 AM
Trichlorofluoromethane	U	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
Vinyl acetate	υ	6.5	µg/Kg-dry	1	8/29/2006 9:23:00 AM
Vinyl chloride	U	6.5	μg/Kg-dry	1	8/29/2006 9:23:00 AM

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-04A

Client Sample ID: Trip Blank

Tag Number: 10005

Collection Date: 8/24/2006

Matrix: LIQUID

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260	B SW50	30A	Analyst: LDS
1,1,1,2-Tetrachloroethane	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
1,1,1-Trichloroethane	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
1,1,2,2-Tetrachloroethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,1,2-Trichloroethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,1-Dichloroethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,1-Dichloroethene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,1-Dichloropropene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2,3-Trichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2,3-Trichloropropane	υ	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0	μ g /L	1	8/29/2006 6:16:00 AM
1,2,4-Trichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2,4-Trimethylbenzene	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
1,2-Dibromo-3-chloropropane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2-Dibromoethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2-Dichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2-Dichloroethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,2-Dichloropropane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,3,5-Trimethylbenzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,3-Dichlorobenzene	U	1.0	μ g /L	1	8/29/2006 6:16:00 AM
1,3-dichloropropane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
1,4-Dichlorobenzene	υ	1.0	μg/L	1	8/29/2006 6:16:00 AM
2,2-Dichloropropane	υ	1.0	μg/L	1	8/29/2006 6:16:00 AM
2-Butanone	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
2-Chloroethyl vinyl ether	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
2-Chiorotoluene	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
2-Hexanone	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
2-Propanol	U	50	µg/L	1	8/29/2006 6:16:00 AM
4-Chiorotoluene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
4-Isopropyltoluene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
4-Methyl-2-pentanone	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Acetone	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Acrolein	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
Acrylonitrile	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Benzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Bromobenzene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Bromochloromethane	U	1.0	µg/L	1	8/29/2006 6:16:00 AM
Bromodichloromethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Bromoform	U	1.0	μg/L	1	8/29/2006 6:16:00 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

Project:

PEN-Glenwood Landing

Lab ID:

0608273-04A

Client Sample ID: Trip Blank

Tag Number: 10005

Collection Date: 8/24/2006

Matrix: LIQUID

Analyses	Result	Limit Q	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW826	60B	SW50	30A	Analyst: LDS
Bromomethane	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Carbon disulfide	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Carbon tetrachloride	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Chlorobenzene	υ	1.0		µg/L	1	8/29/2006 6:16:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Chloroethane	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Chloroform	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Chloromethane	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
cis-1,2-Dichloroethene	U	1.0		μ g /L	1	8/29/2006 6:16:00 AM
cis-1,3-Dichloropropene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Dibromochloromethane	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Dibromomethane	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Dichlorodifluoromethane	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Diisopropyl ether	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Ethanol	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Ethyl acetate	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Ethylbenzene	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
Freon-114	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Hexachlorobutadiene	U	1.0		μ g/L	1	8/29/2006 6:16:00 AM
Isopropyl acetate	υ	1.0		μ g /L	1	8/29/2006 6:16:00 AM
Isopropylbenzene	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
m,p-Xylene	υ	2.0		μg/L	1	8/29/2006 6:16:00 AM
Methyl tert-butyl ether	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Methylene chloride	16	1.0	В	μg/L	1	8/29/2006 6:16:00 AM
n-Amyl acetate	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Naphthalene	υ	1.0		μg/L	1	8/29/2006 6:16:00 AM
n-Butyl acetate	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
n-Butylbenzene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
n-Propyl acetate	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
n-Propylbenzene	U	1.0		µg/L	1	8/29/2006 6:16:00 AM
o-Xylene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
p-Diethylbenzene	υ	1.0		μg/L	1	8/29/2006 6:16:00 AM
p-Ethyltoluene	บ	1.0		μg/ L	1	8/29/2006 6:16:00 AM
sec-Butylbenzene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Styrene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
t-Butyl alcohol	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
tert-Butylbenzene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Tetrachloroethene	U	1.0		μg/L	1	8/29/2006 6:16:00 AM
Toluene	บ	1.0		μg/L	1	8/29/2006 6:16:00 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
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- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

Project:

PEN-Glenwood Landing

Lab ID:

0608273-04A

Client Sample ID: Trip Blank

Tag Number: 10005

Collection Date: 8/24/2006

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW50	30A	Analyst: LDS
trans-1,2-Dichloroethene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
trans-1,3-Dichloropropene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Trichloroethene	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Trichlorofluoromethane	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Vinyl acetate	U	1.0	μg/L	1	8/29/2006 6:16:00 AM
Vinyl chloride	U	1.0	μg/L	1	8/29/2006 6:16:00 AM

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

PEN-Glenwood Landing

Project: Lab ID:

0608273-05A

Client Sample ID: Field Blank

Tag Number: 10005

Collection Date: 8/24/2006 I1:10:00 AM

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A	`	Analyst: LD\$
1,1,1,2-Tetrachloroethane	U	1.0	µg∕∟	1	8/29/2006 6:53:00 AM
1,1,1-Trichloroethane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,1,2,2-Tetrachloroethane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,1,2-Trichloroethane	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,1-Dichlorcethane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,1-Dichloroethene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,1-Dichloropropene	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,2,3-Trichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2,3-Trichloropropane	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2,4-Trichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2,4-Trimethylbenzene	Ü	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2-Dibromo-3-chloropropane	υ	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,2-Dibromoethane	U	1.0	μ g /L	1	8/29/2006 6:53:00 AM
1,2-Dichlorobenzene	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,2-Dichloroethane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,2-Dichloropropane	υ	1.0	μ g /L	1	8/29/2006 6:53:00 AM
1,3,5-Trimethylbenzene	U	1.0	μ g /L	1	8/29/2006 6:53:00 AM
1,3-Dichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
1,3-dichloropropane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
1,4-Dichlorobenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
2,2-Dichloropropane	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
2-Butanone	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
2-Chloroethyl vinyl ether	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
2-Chlorotoluene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
2-Hexanone	U	1.0	μg/ L	1	8/29/2006 6:53:00 AM
2-Propanol	U	50	μg/L	1	8/29/2006 6:53:00 AM
4-Chlorotoluene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
4-isopropyitoluene	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
4-Methyl-2-pentanone	U	1.0	μ g/L	1	8/29/2006 6:53:00 AM
Acetone	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Acrolein	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Acrylonitrile	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
Benzene	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
Bromobenzene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Bromochloromethane	U	1.0	μ g /L	1	8/29/2006 6:53:00 AM
Bromodichloromethane	U	1.0	µg/L	1	8/29/2006 6:53:00 AM
Bromoform	U	1.0	µg/L	1	8/29/2006 6:53:00 AM

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608273

Project:

PEN-Glenwood Landing

Lab ID:

0608273-05A

Client Sample ID: Field Blank

Tag Number: 10005

Collection Date: 8/24/2006 11:10:00 AM

Matrix: LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW82	260B	SW50	30A	Analyst: LDS
Bromomethane	υ	1.0		µg/L	1	8/29/2006 6:53:00 AM
Carbon disulfide	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Carbon tetrachloride	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Chlorobenzene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Chloroethane	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Chloroform	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Chloromethane	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
cis-1,3-Dichloropropene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Dibromochloromethane	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Dibromomethane	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Dichlorodifluoromethane	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Diisopropyl ether	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Ethanol	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Ethyl acetate	U	1.0		μg/Ł	1	8/29/2006 6:53:00 AM
Ethylbenzene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Freon-114	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Hexachlorobutadiene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Isopropyl acetate	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Isopropylbenzene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
m,p-Xylene	U	2.0		µg/L	1	8/29/2006 6:53:00 AM
Methyl tert-butyl ether	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
Methylene chloride	18	1.0	В	μg/L	1	8/29/2006 6:53:00 AM
n-Amyl acetate	Ų	1.0		µg/L	1	8/29/2006 6:53:00 AM
Naphthalene	υ	1.0		μg/L	1	8/29/2006 6:53:00 AM
n-Butyl acetate	υ	1.0		μg/L	1	8/29/2006 6:53:00 AM
n-Butylbenzene	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
n-Propyl acetate	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
n-Propylbenzene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
o-Xylene	U	1.0		μg/L	1	8/29/2006 6:53:00 AM
p-Diethylbenzene	U	1.0		μg/Ł	1	8/29/2006 6:53:00 AM
p-Ethyltoluene	U	1.0		μg/Ł	1	8/29/2006 6:53:00 AM
sec-Butylbenzene	υ	1.0		μ g/ L	1	8/29/2006 6:53:00 AM
Styrene	υ	1.0		μg/L	1	8/29/2006 6:53:00 AM
t-Butyl alcohol	U	1.0		μ g /L	1	8/29/2006 6:53:00 AM
tert-Butylbenzene	U	1.0		μ g /L	1	8/29/2006 6:53:00 AM
Tetrachloroethene	U	1.0		µg/L	1	8/29/2006 6:53:00 AM
Toluene	U	1.0		µg/L	1	8/29/2006 6:53:00 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

P.W. Grosser Consulting

Lab Order: 0608273

CLIENT:

Project: PEN-Glenwood Landing

Lab ID: 0608273-05A

Date: 01-Sep-06

Client Sample ID: Field Blank

Tag Number: 10005

Collection Date: 8/24/2006 11:10:00 AM

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260	***	SW8260B	SW5030A		Analyst: LDS
trans-1,2-Dichloroethene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
trans-1,3-Dichloropropene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Trichloroethene	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Trichlorofluoromethane	U	1.0	μ g/L	1	8/29/2006 6:53:00 AM
Vinyl acetate	U	1.0	μg/L	1	8/29/2006 6:53:00 AM
Vinyl chloride	U	1.0	hg/r	1	8/29/2006 6:53:00 AM

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 01-Sep-06

CLIENT:

P.W. Grosser Consulting

Work Order:

0608273

Project:

PEN-Glenwood Landing

QC SUMMARY REPORT SURROGATE RECOVERIES

Test No:	SW8260B		Matrix	W	VOLATILE SW-846 METHOD 8260
Sample ID	BR	4F BZ	BZMED8	DBFM	
0608273-01A	9	7.2	99.1	134	
0608273-02A	9	6.3	94.5	137	
0608273-03A	8	8.9	88.1	114	
0608273-04A	8	8.5	99.3	124	
0608273-05A		30	101	130	
LCS082806BY	93	2.7	96.0	88.2	, -
VBLK082806BY	90	6.6	96.2	95.7	

Acronym	S	Surrogate		-QC Limits
BR4FBZ	=	Surr: 4-Bromo	fluorobenzene	69-134
BZMED8	=	Surr: Toluene-	d8	7 1- 123
DBFM	=	Surr: Dibromo	fluoromethane	70-135

^{*} Surrogate recovery outside acceptance limits

P.W. Grosser Consulting 0608273
PEN-Glenwood Landing CLIENT:

Work Order: Project:

ANALYTICAL QC SUMMARY REPORT

Date: 01-Sep-06

BatchID: R20119

				11						
Sample ID: VBLK082806BY	SampType: MBLK	TestCode: DryFull8260_	: DryFu	8260_ Units: µg/Kg	Pre	Prep Date;		RunNo: 20119	19	
Client ID: PBS	Batch ID: R20119	TestNo	TestNo: SW8260B	B	Analysi	Analysis Date: 8/29/2006	2006	SeqNo: 244607	209	
Analyte	Result	POL	SPK value	e SPK Ref Val	%REC LowLimit	imit HighLimit	it RPD Ref Val	%RPD	RPDLimit	Quai
1,1,1,2-Tetrachloroethane	n	5.0								
1.1,1-Trichloroethane	J	5.0								
1,1,2,2-Tetrachloroethane	J	5.0								
1,1,2-Trichloro-1,2,2-trifluoroethane	ane U	5.0								
1,1,2-Trichloroethane	ס	5.0								
1,1-Dichloroethane	n	5.0								
1,1-Dichloroethene	Π	5.0								
1,1-Dichloropropene	ח	5.0								
1,2,3-Trichlorobenzene	Π	5.0								
1,2,3-Trichloropropane	n	5.0								
1,2,4,5-Tetramethylbenzene	n	5.0								
1,2,4-Trichtorobenzene	Π	5.0								
1.2,4-Trimethylbenzene	ח	5.0								
1,2-Dibromo-3-chloropropane	ח	5.0								
1,2-Dibromoethane	כ	5.0								
1,2-Dichlorobenzene	n	5.0								
1,2-Dichloroethane	כ	5.0								
1,2-Dichloropropane	כ	5.0								
1,3,5-Trimethylbenzene	ם	2.0								
1,3-Dichlorobenzene	n	5.0								
1,3-dichloropropane	n	5.0								
1,4-Dichlorobenzene	ם	5.0								
2,2-Dichloropropane	ם	5.0								
2-Butanone	ח	9.0								
2-Chloroethyl vinyl ether	ח	5.0								
2-Chlorotoluene	ח	5.0								
2-Hexanone	ח	5.0								
2-Propanol	⊃	20								
4-Chlorotoluene	Π	5.0								
4-Isopropyltoluene	ח	5.0								
Qualifiers: E Value above	Value above quantitation range		н	Holding times for preparation or analysis exceeded	or analysis excee	ded J	Analyte detected below quantitation li	elow quantitatio	n li	
ND Not Detected	Not Detected at the Reporting Limit			RPD outside accepted recovery limits	limits	S	Spike Recovery outside accepted reco	itside accepted r		,
U Indicates the	Indicates the compound was analyzed for but n	but not detecte							1 ,	rage 1 or⊀
										`

Page 1 of x

P.W. Grosser Consulting CLIENT:

0608273 Work Order:

PEN-Glenwood Landing Project:

BatchID: R20119

ANALYTICAL QC SUMMARY REPORT

			Ш				
Sample ID: VBLK082806BY	SampType: MBLK	TestCode: I	TestCode: DryFull8260_ Units: µg/Kg	Prep Date:		RunNo: 20119	
Client ID: PB\$	Batch ID: R20119	TestNo:	TestNo: SW8260B	Analysis Date: 8	8/29/2006	SeqNo: 244607	
Analyte	Result	POLS	SPK value SPK Ref Val	%REC LowLimit HighLimit	-imit RPD Ref Val	%RPD RPDLimit	it Qual
4-Methyl-2-pentanone)	5.0					
Acetone	n	5.0					
Acrolein	Π	25					
Acrylonitrile	n	5.0					
Benzene	Π	5.0					
Bromobenzene	n	5.0					
Bromochloromethane	n	5.0					
Bromodichloromethane	n	5.0					
Bromoform	Π	5.0					
Bromomethane	n	5.0					
Carbon disulfide	n	5.0					
Carbon tetrachloride	n	5.0					
Chlorobenzene	⊃	5.0					
Chlorodifluoromethane	כ	5.0					
Chloroethane	כ	5.0					
Chloroform	Π	5.0					
Chloromethane	5	5.0					
cis-1,2-Dichloroethene	n	5.0					
cis-1,3-Dichloropropene	Ω	5.0					
Dibromochloromethane	Ω	5.0					
Dibromomethane	Ω	5.0					
Dichlorodiftuoromethane	n	5.0					
Dilsopropyl ether	n	5.0					
Ethanol	n	25					
Ethyl acetate	n	5.0					
Ethylbenzene	Ω	5.0					
Freon-114	n	5.0					
Hexachlorobutadiene	n	5.0					
Isopropyl acetate	n	5.0					
Isopropyibenzene	Π	5.0					
m,p-Xylene	n	10					
Qualifiers: E Value abov	Value above quantitation range		H Holding times for preparation or analysis exceeded	m or analysis exceeded) Analyte detected l	Analyte detected below quantitation li	a
Q	Not Detected at the Reporting Limit			cry limits	S Spike Recovery or	Spike Recovery outside accepted reco)
U Indicates th	Indicates the compound was analyzed for but	at not detecte					rage 2 0171
							•

ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

CLIENT: P. W. Grosser Consulting
Work Order: 0608273
Project: PEN-Glenwood Landing

85 Batch ID: R20119 TestNo: SW9260B Analysis Date: 8/29/2006 Result PQL SPK value SPK Ref Val %REC LowLinnt HighLinit RPD Ref Val IVI ether 10 5.0 S.0	Sample ID: VBLK082806BY	SampType: MBLK	TestCo	de: DryFull8260	TestCode: DryFull8260, Units: µg/Kg		Prep Date:	ie:		RunNo: 20119	119	
Result PQL SPK value SPK Ref Val %REC LowLimit Hightlimit RPD Ref Val ert-butyl ether 1 5.0 S.0 R.0 S.0 R.0 R.0 S.0 R.0		Batch (D: R20119	Test	No: SW8260B			Analysis Dal	te: 8/29/20	901	SeqNo: 244607	1607	
art-butyl ether U re chloride 15 roetate U roetate U enzene U enzene U benzene U benzene U ribenzene U rochol	Analyte	Result	PQL		PK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ne chloride 15 noetate 0 leine 0 ncetate 0 enzene 0 enzene 0 benzene 0 ibenzene 0 lochol 0 cohol 0 coroethene 0 -Dichloropropene 0 eethene 0 wilderomethane 0 etate 0 etate 0 oride 0	Methyl tert-butyl ether	n	5.0									
lene	Methylene chloride	15	5.0									
lene toetate U U U U U U U U U U U U U U U U U U U	n-Amyl acetate	n	5.0									
Incetate U enzene U acetate U benzene U benzene U oltenzene U drohol U cochol U correcthene U bethene U correcthene U bethene U difucromethane U betate U oride U	Naphthalene	n	5.0									
acetate 0 acetate 0 benzene 0 benzene 0 labenzene 0 cohol 0	n-Butyl acetate	Π	5.0									
acetate U benzene U benzene U lbenzene U oluene U oluene U cohol cohol cohol benzene U cohol cohol cohol benzene U cohol	n-Butylbenzene	n	5.0									
benzene U benzene U blenzene U cohol coh	n-Propyl acetate	n	2.0									
U U U U U U U U U U	n-Propylbenzene	כ	5.0									
U shuene U Idenzene U Icohol U Icohol U Incohol	o-Xylene	כ	5.0									
Idbenzene U Idbenzene U Icohol U Icohol U Ibenzene U <th>p-Diethylbenzene</th> <td>J</td> <td>5.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	p-Diethylbenzene	J	5.0									
Idenzene	p-Ethyltoluene	n	5.0									
Icohol U Ibenzene U oroethene U U-Dichloroethene U b-Dichloropropene U rethene U vettene U state U oride U	sec-Butyibenzene	Π	5.0									
	Styrene	כ	5.0									
	t-Butyl alcohol	כ	5.0									
	tert-Butylbenzene	n	5.0									
	Tetrachloroethene	Π	9.0									
	Toluene	Π	5.0									
or independence or independenc	trans-1,2-Dichloroethene	5	2.0									
te U U U U U U U U U U U U U U U U U U U	trans-1,3-Dichloropropene	⊃	5.0									
omethane U U	Trichloroethene	⊃	2.0									
ם ם	Trichlorofluoromethane	ח	5.0									
ח	Vinyl acetate	ח	9.0									
	Vinyl chloride	n	5.0									

Sample ID: LCS082806BY	1082806BY	SampType: LCS	TestCode	: DryFull820	TestCode: DryFull8260_ Units: µg/Kg		Prep Date:	 60		RunNo: 20119	119	
Client ID: LCSS	S	Batch ID: R20119	TestNo	TestNo: SW8260B			Analysis Dat	Analysis Date: 8/28/2006	g.	SeqNo: 244608	809	
Analyte		Result	POL	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qual
1,1-Dichloroethene	ine	46	5.0	50.00	0	92.5	42	138			1	
Benzene		99	9.0	50.00	0	111	45	137				
Chlorobenzene		64	5.0	20.00	0	128	41	143				
Qualifiers:	E Value abov	E Value above quantitation range		H Holdin	Holding times for preparation or analysis exceeded	or analysis	s exceeded	J. A.	Analyte detected below quantitation li	elow quantitatio	ın li	
_	VD Nor Detect	ND Not Detected at the Reporting Limit		R RPDo	RPD outside accepted recovery limits	ry limits		s S	Spike Recovery outside accepted reco	tside accepted n		,
	U Indicates th	U Indicates the compound was analyzed for but not detecte	not detecte								2-	Page 5 of 4

age 3 of 4

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PEN-Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

Sample ID: LCS082806BY	SampType: LCS	TestCode	TestCode: DryFull8260_	0_ Units: µg/Kg		Prep Date:			KunNo: 20119	9	
Client ID: LCSS	Batch ID: R20119	TestNo	TestNo: SW8260B		•	Analysis Date:	8/28/2006	90	SeqNo: 244608	809	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	69	5.0	50.00	0 1	118	38	141				
Trichloroethene	48	5.0	20.00	0	95.6	38	136				f
Sample ID: VBLK082806BY	SampType: MBLK	TestCode	TestCode: Full8260_W	V Units: µg/L	:	Prep Date:			RunNo: 20119	119	
Client ID: PBW	Batch ID: R20119	TestNo	TestNo: SW8260B			Analysis Date:	8/29/2006	90	SeqNo: 244603	1603	
Analyle	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ח	1.0									
1,1,1-Trichloroethane	⊃	1.0									
1,1,2,2-Tetrachloroethane	⊃	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0									
1,1,2-Trichloroethane	ס	1.0									
1,1-Dichloroethane	n	1.0									
1,1-Dichloroethene)	1.0									
1,1-Dichloropropene	⊃	1.0									
1,2,3-Trichlorobenzene	n	1.0									
1,2,3-Trichloropropane	⊃	1.0									
1,2,4,5-Tetramethy/benzene	⊃	1.0									
1,2,4-Trichlorobenzene	⊃	1.0									
1,2,4-Trimethylbenzene	J	1.0									
1,2-Dibromo-3-chloropropane	n	1.0									
1,2-Dibromoethane	ח	1.0									
1,2-Dichlorobenzene	D	1.0									
1,2-Dichloroethane	n	1.0									
1,2-Dichtoropropane	ם	1.0									
1,3,5-Trimethylbenzene	D	1.0									
1,3-Dichlorobenzene	D	1.0									
1,3-dichloropropane)	1.0									
1,4-Dichlorobenzene	n	1.0									
2,2-Dichloropropane	D	1.0									
2-Butanone	n	1.0									
Onalifiers: E Value above	Value above quantitation range		H Holdin	Holding times for preparation or analysis exceeded	or analysi	s exceeded	٠-,	Analyte detected below quantitation li	elow quantitati	on li	0
Q Q	Not Detected at the Reporting Limit			RPD outside accepted recovery limits	ry limits			Spike Recovery outside accepted reco	itside accepted		
	d for	but not detecte								-	Fage 4 Of A
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P.W. Grosser Consulting 0608273 CLIENT: Work Order:

PEN-Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

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Sample ID: VBLKU82806B1	Sampi ype. Moth	annonisai	restoode, rungzou_w	w Office pg/L		Prep Date;	o)		KUUNO: 20119		
Client ID: PBW	Batch ID: R20119	TestNo	TestNo: SW8260B		∢	Analysis Date:	e: 8/29/2006	900	SeqNo: 244603	13	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD F	RPDLimit Qual	rd
2-Chloroethyl vinyl ether	ο	1.0									
2-Chlorotoluene	n	1.0									
2-Hexanone	n	1.0									
2-Propanol	n	20									
4-Chlorotoluene	n	1.0									
4-Isopropyltoluene	Π	1.0									
4-Methyl-2-pentanone	D	1.0									
Acetone	ח	1.0									
Acrolein	n	1.0									
Acrylonitrile	Π	1.0									
Benzene	ס	1.0									
Bromobenzene	O	1.0									
Bromochloromethane	Þ	1.0									
Bromodichloromethane	J	1.0									
Bromoform	0	1.0									
Bromomethane	D	1.0									
Carbon disulfide	Ö	1.0									
Carbon tetrachloride	Π	1.0									
Chlorobenzene	ב	1.0									
Chlorodifluoromethane	Ξ	1.0									
Chloroethane	ב	1.0									
Chloroform	ב	1.0									
Chloromethane	Ξ	1.0									
cis-1,2-Dichloroethene	Ξ	1.0									
cis-1,3-Dichloropropene	٥	1.0									
Dibromochloromethane	ב	1.0									
Dibromomethane	ח	1.0									
Dichlorodifluoromethane	n	1.0									
Diisopropyl ether	ח	1.0									
Ethanol	ח	1.0									
Ethyl acetate	n	1.0									
	Value above quantitation range		H Holdi	Holding times for preparation or analysis exceeded	or analysis	pepeaxe		Analyte detected b	Analyte detected below quantitation li	25	
ND Not Detects U Indicates th	Not Detected at the Reporting Limit Indicates the compound was analyzed for but not detecte	not detecte		RPD outside accepted recovery limits	ry limits			Spike Recovery or	Spike Recovery outside accepted reco	Page 5 of	5 0
	no or postume on a supoduos or										
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CLIENT: P.W. Grosser Consulting

Work Order: 0608273

Project: PEN-Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

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Sample IO: VBLRU6280681	Samplype: MBLN	esico	estcode: Full8260_W	Units: pg/L		Prep Date:	 G		KunNo: 20119	-19	-
Client ID: PBW	Batch ID: R20119	Test	TestNo: SW8260B			Analysis Date:	le: 8/29/2006	900	SeqNo: 244603	1603	
Analyte	Result	POL	SPK value SPk	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLímit	Qual
Ethylbenzene	n	1.0									
Freon-114	D	1.0									
Hexachlorobutadiene	⊃	1.0									
Isopropyl acetate	D	1.0									
Isopropylbenzene	D	1.0									
m,p-Xytene	⊃	2.0									
Methyl tert-butyl ether	⊃	1.0									
Methylene chloride	15	1.0									
n-Amyl acetate	n	1.0									
Naphthalene	D	1.0									
n-Butyl acetate	n	1.0									
n-Butylbenzene	D	1.0									
n-Propyl acetate	D	1.0									
n-Propylbenzene	D	1.0									
o-Xylene	ם	1.0									
p-Diethylbenzene	כ	1.0									
p-Ethyltoluene	ח	1.0									
sec-Butylbenzene	ח	1.0									
Styrene	⊃	1.0									
t-Butyl alcohol	ח	1.0									
tert-Butylbenzene	n	1.0									
Tetrachloroethene	Ω	1.0									
Toluene	O	1.0									
trans-1,2-Dichloroethene	O	1.0									
trans-1,3-Dichloropropene	⊃	1.0									
Trichloroethene	⊃	1.0									
Trichlorofluoromethane	⊃	1.0									
Vinyl acetate	⊃	1.0									
Vinyl chloride	n	1.0									

Page 6 of X

J Analyte detected below quantitation li S Spike Recovery outside accepted reco

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

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E Value above quantitation range

ND Not Detected at the Reporting Limit

U indicates the compound was analyzed for but not detecte

P.W. Grosser Consulting 0608273 PEN-Glenwood Landing CLIENT: Work Order:

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BatchID: R20119

Sample to Cockeabadery Sample year, LGS TeacCockea Fullistable M Units page Perp Date Rankot Sample year, Cockeapader Sample year, Cocke												
Parch ID: R20119 Pack Not Sweet Sweet Pack Not Sweet Sweet Pack Not Sweet Sweet Pack Not Sweet Swe	Sample ID: LCS08	12806BY	SampType: LCS	TestCode	e: Full8260_W		Prep	Date:		RunNo: 201	119	
Property Property	Client ID: LCSW		Batch ID: R20119	TestNo	o: SW8260B		Analysis		2006	SeqNo: 244	1604	
ane (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Analyte		Result	Pol		SPK Ref Val				%RPD	RPDLimit	Qual
are 1 10 10 10 10 10 10 10 10 10 10 10 10 1	1,1,1,2-Tetrachloro	ethane	כ	1.0	0	0	0					
ane (1) 1.0 (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	1,1,1-Trichloroethar	ne.	⊃	1.0	0	0	0					
inducceshane U 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,1,2,2-Tetrachloro	ethane	⊃	1.0	0	0	0					
1	1,1,2-Trichloro-1,2,	2-trifluoroetha	ne U	1.0	0	0	0					
10 10 10 10 10 10 10 10	1,1,2-Trichloroetha	ne	⊃	1.0	0	0	0					
46 10 50.00 0 92.5 51 139 9 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,1-Dichloroethane	_	⊃	1.0	0	0	0					
1 10 10 0 0 0 0 0 0	1,1-Dichloroethene		46	1.0	50.00	0	5		•			
1	1,1-Dichloropropen	ē	J	1.0	0	0						
1	1,2,3-Trichlorobenz	zene	⊃	1.0	0	0	0					
rizene U 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,2,3-Trichloroprop	ane	⊃	1.0	0	0	0					
1	1,2,4,5-Tetramethy	Ibenzene	⊃	1.0	0	0	0					
1	1,2,4-Trichlorobenz	zene	⊃	1.0	0	0	0					
ropane U 1.0 0 0 0 U 1.0 0 0 0 0 U 1.0 0 0 0 0 He 1.0 0 0 0 0 0 He 1.0 0 0 0 0 0 0 0 He 1.0 0	1,2,4-Trimethylben;	zene	⊃	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,2-Dibroma-3-chlo	propropane	n	1.0	0	0	0					
1.0 1.0 1.0 0 0 0 0 0 0 0 0 0	1,2-Dibromoethane	4	n	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,2-Dichlorobenzer	ЭГ	n	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,2-Dichloroethane	4.	ח	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,2-Dichloropropan	je e	J	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,3,5-Trimethylben.	zene	⊃	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,3-Dichlorobenzer	e.	⊃	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,3-dichloropropane	e e	⊃	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	1,4-Dichlorobenzen	Эe	⊃	1.0	0	0	0					
er U 1.0 0 0 0 0 1.0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 1.0 0 0 0 0 0 1.0 0 0 0 0 0 1.0 0 0 0 0 0 1.0 0 0 0 0 0 1.0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,2-Dichloropropan	9	ח	1.0	0	0	0					
er U 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2-Butanone		J	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	2-Chloroethyl vinyl	ether	n	1.0	0	0	0					
1.0 1.0 0 0 0 0 0 0 0 0 0	2-Chlorotoluene		⊃	1.0	0	0	0					
U 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2-Hexanone		_	1.0	0	0	0					
U 1.0 0 0 0 0 U 1.0 0 0 Page 7 of	2-Propanol		⊃	20	0	0	0					
U 1.0 0 0 0 U 1.0 0 0 0 In the above quantitation range H Holding times for preparation or analysis exceeded I Analyte detected below quantitation Is a Spike Recovery outside accepted recovery limits Spike Recovery outside accepted recovery limits Page 7 of Analyte detected below quantitation Is a Spike Recovery outside accepted recovery limits Page 7 of Analyte detected below quantitation Is a Spike Recovery outside accepted recovery limits Page 7 of Analyte detected below quantitation Is a Spike Recovery outside accepted reco	4-Chlorotoluene		⊃	1.0	0	0	0					
ulue above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation Ii R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery dimits Page 7 of	4-Isopropyltoluene		n	1.0	0	0	0					
E Value above quantitation range Holding times for preparation or analysis exceeded J Analyte detected below quantitation li ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S spike Recovery outside accepted recovery limits Page 7 of	4-Methyl-2-pentano	euc	D	1.0	0	0	0					
Not Detected at the Reporting Limit R RPD outside accepted recovery limits S spike Recovery outside accepted reco Page 7 of Indicates the compound was analyzed for but not detecte		Value above	quantitation range			times for preparation	n or analysis execede		Analyte detected b	elow quantitatic	i no	
Indicates the compound was analyzed for but not detecte	QN		at the Reporting Limit			tside accepted recov	ery limits	S	Spike Recovery ou	itside accepted r		7 20 7 20 7
	⊃	Indicates the	compound was analyzed for but	not detecte							4	age / OI

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ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

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Sample ID: LCS082806BY	samplype: LCs	lestCo	l estCode: Full8260_W	/ Units: µg/L		Prep Date	'n		RunNo: 20119	cn.	
Client ID: LCSW	Batch ID: R20119	Test	TestNo: SW8260B			Analysis Date:	e: 8/28/2006	90	SeqNo: 244604	4	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD F	RPDLimit	Qual
Acetone	ח	1.0	0	0	0						
Acrolein	⊃	1.0	0	0	0						
Acrylonitrile	D	1.0	0	0	0						
Benzene	99	1.0	50.00	0	111	53	135				
Bromobenzene	n	1.0	0	0	0						
Bromochloromethane	5	1.0	0	0	0						
Bromodichloromethane	J	1.0	0	0	0						
Bromoform	5	1.0	0	0	0						
Bromomethane	n	10	0	0	0						
Carbon disulfide	⊃	1.0	0	0	0						
Carbon tetrachloride	⊃	1.0	0	0	0						
Chlorobenzene	64	1.0	50.00	0	128	58	142				
Chlorodifluoromethane	D	1.0	0	0	0						
Chloroethane	n	1.0	0	0	0						
Chloroform	n	1.0	0	0	0						
Chloromethane	J	1.0	0	0	0						
cis-1,2-Dichloroethene	D	1.0	0	0	0						
cis-1,3-Dichloropropene	n	1.0	0	0	0						
Dibromochloromethane	n	1.0	0	0	0						
Dibromomethane	n	1.0	0	0	0						
Dichlorodifluoromethane	n	1.0	0	0	0						
Diisopropyl ether	n	1.0	0	0	0						
Ethanol	n	1.0	0	0	0						
Ethyl acetate	J	1.0	0	0	0						
Ethylbenzene	⊃	1.0	0	0	0						
Freon-114)	1.0	0	0	0						
Hexachlorobutadiene	⊃	1.0	0	0	0						
Isopropyl acetate	J	1.0	0	0	0						
Isopropylbenzene	n	1.0	0	0	0						
m,p-Xylene	Π	2.0	0	0	0						
Methyi tert-butyl ether	Π	1.0	0	0	0						
Qualifiers: E Value above	Value above quantitation range		H Holding	Holding times for preparation or analysis exceeded	n or analysis	exceeded	Ţ	Analyte detected below mantitation li	slow anantitation	<u>.</u>	
S	Not Detected at the Reporting Limit			DD witches accorded years and indicates	and limite		. 0	Crite Decourse outside second mos	tolde cooperated mo	= (
	data in the property of the course			iside accepted towar	city mines			Spire recovery on	an maidanne anisi	2	7

U Indicates the compound was analyzed for but not detecte

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P.W. Grosser Consulting CLIENT:

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Project:

PEN-Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

BatchID: R20119

Sample ID: LCS082806BY	SampType: LCS	TestCoc	TestCode: Full8260_W	Units: µg/L		Prep Date:	 e		RunNo: 20119	
Client ID: LCSW	Batch ID: R20119	Test	TestNo: SW8260B			Analysis Date:	e: 8/28/2006	900	SeqNo: 244604	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimi	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Methylene chloride	19	1.0	0	0	0					8
Naphthalene	n	1.0	0	0	0					ì
n-Butyl acetate	J	1.0	0	0	0					
n-Butylbenzene	J	1.0	0	0	0					
n-Propyl acetate	D	1.0	0	0	0					
n-Propylbenzene	n	1.0	0	0	0					
o-Xylene)	1.0	0	0	0					
p-Diethylbenzene	D	1.0	0	0	0					
p-Ethyltoluene	n	1.0	0	0	0					
sec-Butylbenzene	n	1.0	0	0	0					
Styrene	n	1.0	0	0	0					
t-Butyl alcohol	n	1.0	0	0	0					
lert-Butylbenzene	J	1.0	0	0	0					
Tetrachloroethene	n	1.0	0	0	0					
Toluene	29	1.0	50.00	0	118	20	142			
trans-1,2-Dichloroethene	n	1.0	0	0	0					
trans-1,3-Dichloropropene	J	1.0	0	0	0					
Trichloroethene	48	1.0	50.00	0	92.6	53	131			
Trichlorofluoromethane	J	1.0	0	0	0					
Vinyl acetate	Π	1.0	0	0	0					
Vinyl chloride	D	1.0	0	0	0					

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

U Indicates the compound was analyzed for but not detecte

Holding times for preparation or analysis exceeded RPD outside accepted recovery limits

J Analyte detected below quantitation li S Spike Recovery outside accepted reco Spike Recovery outside accepted reco

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CLIENT: P.W. Grosser Consulting

Work Order: 0608273

Project: PEN-Glenwood Landing

Date: 31-Aug-06

ANALYTICAL QC SUMMARY REPORT

BatchID: 11897

Sample ID: MB-11897	77 SampType: MBLK	TestCod	TestCode: Dry8270_Soil	oil Units: µg/Kg	Prep Date:	8/27/2006	RunNo: 20070	
Client ID: PBS		TestN	TestNo. SW8270D	SW3550A		8/29/2006	SegNo. 243774	
		3	, i				11013	
Analyte	Result	J.	SFK value	SPK Ker Val %KEC	LowLimit Hig	HighLimit RPD Rei Val	%RPD RPDLimit	imit Qual
1,2,4-Trichlorobenzene	U	120						
1,2-Dichlorobenzene	ח	120						
1,3-Dichlorobenzene	n	120						
1,4-Dichlorobenzene	ס	120						
2,4,5-Trichlorophenol	J	120						
2,4,6-Trichlorophenol	J	120						
2,4-Dichlorophenol	כ	120						
2,4-Dimethylphenol	Π	120						
2,4-Dinitrophenol	ח	120						
2,4-Dinitrotoluene	Π	120						
2,6-Dinitrotoluene	ב	120						
2-Chloronaphthalene	ס	120						
2-Chlorophenol	ב	120						
2-Methylnaphthalene	כ	120						
2-Methylphenol	ח	120						
2-Nitroaniline	ם	120						
2-Nitrophenol	ם	120						
3,3'-Dichlorobenzidine	U et	120						
3+4-Methylphenol	ס	120						
3-Nitroaniline	D	120						
4,6-Dinitro-2-methylphenol	U	120						
4-Bromophenyi phenyl ether	lyl ether U	120						
4-Chloro-3-methylphenol	enoi	120						
4-Chloroaniline	ח	120						
4-Chlorophenyl phenyl ether	lyl ether	120						
4-Nitroaniline	כ	120						
4-Nitrophenol	ח	120						
Acenaphthene	ח	120						
Acenaphthylene	כ	120						
Aniline	Π	120						
Qualifiers: E	Value above quantitation range		H Holdin	Holding times for preparation or analysis exceeded	is exceeded	J Analyte detected b	Analyte detected below quantitation li	•
QN	Not Detected at the Reporting Limit			RPD outside accepted recovery limits		S Spike Recovery or	Spike Recovery outside accepted reco	
Π	Indicates the compound was analyzed for but not detecte	or but not detecte						Page 1 of 9

ANALYTICAL QC SUMMARY REPORT

P.W. Grosser Consulting

0608273

Work Order: CLIENT:

Project:

PEN-Glenwood Landing

BatchID: 11897

Sample ID: MB-11897	SampType: MBLK TestCo	TestCode: Dry8270_Soil Units. µg/Kg	Units. µg/Kg	Prep Date: 8/27/	8/27/2006	RunNo: 20070	
Client ID: PBS	Batch ID: 11897 Tes	TestNo: SW8270D	SW3550A At	Analysis Date: 8/29/2006	2006	SeqNo: 243771	
Analyte	Result PQL	SPK value SPK	SPK Ref Val %REC	LowLimit HighLimit	it RPD Ref Val	%RPD RPDLimit	Quai
Anthracene	U 120			,		I	
Azobenzene	U 120						
Benzidine	U 120						
Benzo(a)anthracene	U 120						
Benzo(a)pyrene	U 120						
Benzo(b)fluoranthene	U 120						
Benzo(g,h.i)perylene	U 120						
Benzo(k)fluoranthene	U 120						
Benzoic acid	U 120						
Benzyl alcohol	U 120						
Bis(2-chloroethoxy)methane	U 120						
Bis(2-chloroethyl)ether	U 120						
Bis(2-chloroisopropyl)ether	U 120						
Bis(2-ethylhexyl)phthalate	U 120						
Butyl benzyl phthalate	U 120						
Carbazole	U 120						
Chrysene	U 120						
Dibenzo(a,h)anthracene	U 120						
Dibenzofuran	U 120						
Diethyl phthalate	U 120						
Dimethyl phthalate	U 120						
Di-n-butyl phthalate	U 120						
Di-n-octyl phthalate	U 120						
Fluoranthene	U 120						
Fluorene	U 120						
Hexachlorobenzene	U 120						
Hexachlorobutadiene	U 120						
Hexachlorocyclopentadiene	U 120						
Hexachloroethane	U 120						
Indeno(1,2,3-c,d)pyrene	U 120						
Isophorone	U 120						
Oualifiers: E Value above	Value above quantitation range	H Holding tim	Holding times for preparation or analysis exceeded	f papaox	Analyte detected below quantilation li	low quantitation li	
QN	Not Detected at the Reporting Limit		RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco	side accepted reco	•
U Indicates the	Indicates the compound was analyzed for but not detecte	ວ					Page 2 01 9

P.W. Grosser Consulting 0608273 PEN-Glenwood Landing CLIENT:

Work Order:

Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 11897				
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Sample 10, MB-11897	SampType MBLK	TestCode	estCode: Dry8270_Soil	ii Units: µg/Kg		Prep Date:	8/27/2006	RunNo: 20070	
Client ID: PBS	Batch ID: 11897	TestN	TestNo: SW8270D	SW3550A	ч.	Analysis Date:	8/29/2006	SeqNo: 243771	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val	%RPD RPDLimit	t Qual
Naphthalene	Ω	120							
Nitrobenzene	Π	120							
N-Nitrosodimethylamine	Ω	120							
N-Nitrosodi-n-propylamine	⊃	120							
N-Nitrosodiphenylamine	n	120							
Pentachlorophenol	n	120							
Phenanthrene	Π	120							
Phenol	n	120							
Pyrene	⊃	120							
Pyridine	n	120							
Sample ID: LCS-11897	SampType: LCS	TestCod	TestCode: Dry8270_Soil	oil Units: µg/Kg		Prep Date:	8/27/2006	RunNo: 20070	
Client ID: LCSS	Batch ID: 11897	TestN	TestNo: SW8270D	SW3550A	`	Analysis Date:	8/29/2006	SeqNo: 243772	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val	%RPD RPDLimit	it Qual
1,2,4-Trichlorobenzene	3000	120	3999	0	75.0	23	122		
1.4-Dichlorobenzene	3200	120	3999	0	79.6	22	124		
2.4-Dinitrotoluene	2300	120	3999	0	58.4	21	119		
2-Chlorophenol	3000	120	3999	0	75.6	23	125		
4-Chloro-3-methylphenol	3100	120	3999	0	77.2	28	121		
4-Nitrophenol	1500	120	3999	0	37.8	15	115		
Acenaphthene	2900	120	3999	0	73.4	24	124		
N-Nitrosodi-n-propylamine	3800	120	3999	0	95.9	25	127		
Pentachlorophenol	850	120	3888	0	21.3	4	112		
Phenol	2300	120	3999	0	58.5	6	125		
Pyrene	3500	120	3999	0	88.3	31	125		
Sample ID: MB-11897	SampType: MBLK	TestCoo	TestCode: Dry8270BN_S	S Units: µg/Kg		Prep Date:	8/27/2006	RunNo: 20070	
Client ID: PBS	Batch ID: 11897	Test	TestNo: SW8270D	SW3550A		Analysis Date:	8/29/2006	SeqNo: 243841	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD RPDLimit	it Qual
Qualifiers: E Value abo ND Not Detect U Indicates t	Value above quantitation range Not Detected at the Reporting Limit Indicates the compound was analyzed for but not detecte	nt not detecte	H Holding R RPD ou	Holding times for preparation or analysis exceeded RPD outside accepted recovery limits	n or analysi ery limits	s exceded	J Analyte detected lS Spike Recovery o	Analyte detected below quantitation li Spike Recovery outside accepted reco	Page 3 of 9

P.W. Grosser Consulting

ANALYTICAL QC SUMMARY REPORT

BatchID: 11897

0608273 CLIENT: Work Order;

PEN-Glenwood Landing Project:

Sample IO: MB-11897	Sampfype MBLK Tes	tCode: Dr	TestCode: Dry8270BN_S	S Units: µg/Kg		Prep Date	8/27/2006	900	RumNo: 20070	
Chent ID: PBS	Batch ID: 11897	TestNo: SW8270D	N8270D	SW3550A	Α'n	Analysis Date	8/29/2006	900	SeqNo: 243841	
Analyte	Result		SPK value SI	SPK Ref Val	WREC L	LowLimit	HighLımit	RPD Ref Val	%RPD RPDLimit	nit Qual
1.2,4-Trichlorobenzene	U 12	120						į		
1,2-Dichlorobenzene	U	120								
1,3-Dichlorobenzene	O	120								
1,4-Dichlorobenzene	0	120								
2,4-Dinitrotoluene	D	120								
2,6-Dinitrotoluene) 1	120								
2-Chloronaphthalene))	120								
2-Methylnaphthalene))	120								
2-Nitroaniline	⇒ 1	120								
3,3'-Dichlorobenzidine	U	120								
3-Nitroaniline	D	120								
4-Bromophenyl phenyl ether	U	120								
4-Chloroaniline	U	120								
4-Chlorophenyl phenyl ether	D	120								
4-Nitroaniline	U	150								
Acenaphthene	U	120								
Acenaphthylene	U	120								
Aniline		120								
Anthracene	U	120								
Azobenzene	D	120								
Benzidine	D	120								
Benzo(a)anthracene	U	120								
Benzo(a)pyrene	Ü.	120								
Benzo(b)fluoranthene	Ü.	120								
Benzo(g,h,i)perylene	D	120								
Benzo(k)fluoranthene	D	120								
Benzyl alcohol	U	120								
Bis(2-chloroethoxy)methane	D	120								
Bis(2-chloroethyl)ether	D	120								
Bis(2-chloroisopropyl)ether	U	120								
Bis(2-ethylhexyl)phthalate	U T	120								
Onalifiers: E Value above	Value above grantiation range	Ξ	Holding	Holding times for preparation or analysis exceeded	analysis ea	papaas	_	Analyte detected before auantitation If	il acitatitation li	
9	Not Detected at the Reporting Limit	: ×	RPD outs	RPD outside accepted recovery limits	mits		n so	Spike Recovery outside accepted free	ion quantitation ii side accented reco	
	Indicates the compound was analyzed for but not detecte			-						Page 4 of 9

P.W. Grosser Consulting

0608273 CLIENT: Work Order:

PEN-Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 11897

Sample ID: MB-11897	SampType: MBLK	TestCo:	le: Dry8270BN	estCode: Dry8270BN_S Units: µg/Kg		Prep Date:	8/27/2006		RunNo: 20070	
Client ID: PBS	Batch ID* 11897	Test	TestNot SW8270D	SW3550A		Analysis Dater	9. 8/29/2006		SeqNo: 243841	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RP	RPD Ref Val	%RPD RPDLimit	imit Qual
Butyl benzyl phthalate	ם כ	120								
Carbazole	ח	120								
Chrysene	J	120								
Dibenzo(a,h)anthracene	ח	120								
Dibenzofuran	Π	120								
Diethyl phthalate	¬	120								
Dimethyl phthalate	Π	120								
Di-n-butyi phthalate	n	120								
Di-n-octyl phthalate	\neg	120								
Fluoranthene	ח	120								
Fluorene	n	120								
Hexachlorobenzene	\supset	120								
Hexachlorobutadiene	ס	120								
Hexachlorocyclopentadiene	\neg	120								
Hexachloroethane	ס	120								
Indeno(1,2,3-c,d)pyrene	n	120								
Isophorone	כ	120								
Naphthalene	D	120								
Nitrobenzene	D	120								
N-Nitrosodimethylamine	ם	120								
N-Nitrosodi-n-propylamine	D	120								
N-Nitrosodiphenylamine	D	120								
Phenanthrene	ח	120								
Pyrene	ס	120								
Pyridine	n	120		,						
Sample ID: LCS-11897	SampType: LCS	TestCo	estCode: Dry8270BN_S	S Units: µg/Kg		Prep Date:	8/27/2006		RunNo: 20070	
Client ID: LCSS	Batch ID: 11897	Test	TestNo: SW8270D	SW3550A	•	Analysis Date:	8/29/2006		SeqNo: 243842	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RF	RPD Ref Val	%RPD RPDLimit	imit Qual
1,2,4-Trichlorobenzene	3000	120	3999	0	75.0	23	122		i.	
	Value above quantitation range Not Detected at the Reporting Limit	-	H Holding R RPD or	Holding times for preparation or analysis exceeded RPD outside accepted recovery limits	ı or analysis ry limits	s exceeded	J Anal S Spik	yte detected b e Recovery ou	Analyte detected below quantitation Ji Spike Recovery outside accepted reco	Page 5 of 9
U Indicales	Indicates the compound was analyzed for but not	ut not detecte								2000

Page 6 of 9

CLIENT: Work Order:	P.W. Gros 0608273	.W. Grosser Consulting 608273			ANALY	TICAL QC SI	ANALYTICAL QC SUMMARY REPORT	ORT
Project:	PEN-Gler	PEN-Glenwood Landing				BatchID: 11897	11897	
Sample ID: 1.CS-11897	11897	SampType: LCS	TestCode: Dry8270BN_S Units: µg/Kg	nits: µg/Kg	Prep Date:	Prep Date: 8/27/2006	RunNo: 20070	
Client ID: LCSS	တ	Batch ID 11897	TestNo: SW8270D SI	SW3550A	Analysis Date: 8/29/2006	8/29/2006	SeqMc. 243842	_

Sample 10: 4 CS.11207	SampType: LCS	TestCod	e Drv8270BN	TestCode: Dry8270BN S Units: µa/Ka		Pred Date:	8/27/2006	RunNo: 20070	0	
Callibration (Callibration)										
Client ID: LCSS	Batch ID 11897	TestN	TestNo: SW8270D	SW3550A	٠,	Analysis Date:	8/29/2006	SeqMc. 243842	2.4	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD F	RPDLimit Q	Qual
1,4-Dichlorobenzene	3200	120	3999	0	9.62	22	124			
2,4-Dinitrotoluene	2300	120	3999	0	58.4	21	119			
Acenaphthene	2900	120	3999	0	73.4	24	124			
N-Nitrosodi-n-propylamine	3800	120	3999	0	95.9	25	127			
Pyrene	3500	120	3999	0	88.3	31	125	14		
Sample ID: 0608210-19A-MS	SampType: MS	TestCod	e: Dry8270Bh	TestCode: Dry8270BN_S Units: µg/Kg-dry	dry	Prep Date:	8/27/2006	RunNo: 20070	0	
Client ID: ZZZZZZ	Batch ID: 11897	TestN	TestNo: SW8270D	SW3550A		Analysis Date:	8/30/2006	SeqNo: 243844	44	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit 1	HighLimit RPD Ref Val	%RPD F	RPDLimit Q	Qual
1,2,4-Trichlorobenzene	3300	120	4125	0	7.67	23	122			
1,4-Dichlorobenzene	3400	120	4125	0	82.9	22	124			
2,4-Dinitrotoluene	2500	120	4125	0	61.7	21	119			
Acenaphthene	3400	120	4125	0	82.4	24	124			
N-Nitrosodi-n-propylamine	4300	120	4125	0	104	25	127			
Pyrene	3900	120	4125	0	94.3	31	125			
Sample ID: 0608210-19A-MSD	SampType: MSD	TestCoc	le: Dry8270Bl	TestCode: Dry8270BN_S Units: µg/Kg-dry	dry	Prep Date:	8/27/2006	RunNo: 20070	0	
Client ID: ZZZZZZ	Batch ID: 11897	Test	TestNo: SW8270D	SW3550A		Analysis Date:	8/30/2006	SeqNo: 243845	45	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD	RPDLimit Q	Qual
1.2.4-Trichlorobenzene	3200	120	4125	0	78.7	23	122 3286	1.22	20	
1.4-Dichlorobenzene	3400	120	4125	0	81.5	22	124 3421	1.70	20	
2,4-Dinitrotoluene	2600	120	4125	0	62.2	21		0.802	20	
Acenaphthene	3200	120	4125	0	78.6	24	124 3399	4.66	20	
N-Nitrosodi-n-propylamine	4200	120	4125	0	101	25	127 4299	3.19	20	
Pyrene	3800	120	4125	0	91.2	31	125 3891	3.30	20	

Qualifiers:	យ	Value above quantitation range	Z	Folding
	ND	Not Detected at the Reporting Limit	~	RPD out
	כ	Indicates the compound was analyzed for but not detecte		

H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits

J Analyte detected below quantitation li Spike Recovery outside accepted reco

P.W. Grosser Consulting 0608273
PEN-Glenwood Landing CLIENT: Work Order:

Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: R20053

Special Di DBC	SampType: MRLK	TastCods	astCode: TAGM MET	X) ON THIS		Dran Data		Duallo: 20062	
Salithia IIV. PBS	Sandy Sylver and Company					ביבה היסובי.		CCOO2 DAIMAN	
Client ID PBS	Batch ID. R 20053	FestNo	FestNo: SW6010B		~4.	Analysis Date	8/29/2006	SeqNo: 243065	-
Analyte	Result	Pal	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	mit Qual
Arsenic	ח	0.500							
Barium	Ω	0.400							
Cadmium	Π	0.200							
Chromium	n	0.400							
Lead	n	0.300							
Selenium	Π	0.500							
Silver	n	0.400							
Sample ID: LCSS	SampType: LCS	TestCode	estCode: TAGM_MET_	Units: mg/Kg		Prep Date		RunNo: 20053	
Client ID: LCSS	Batch ID: R20053	TestN	TestNo: SW6010B			Analysis Date:	8/29/2006	SeqNo: 243066	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	mit Qual
Arsenic	40.8	0.500	40.00	0	102	89	125		
Barium	41.3	0.400	40.00	0	103	69	123		
Cadmium	40.7	0.200	40.00	0	102	29	123		
Chromium	41.8	0.400	40.00	0	105	89	124		
Lead	41.5	0.300	40.00	0	104	99	125		
Selenium	41.2	0.500	40.00	0	103	29	124		
Silver	39.6	0.400	40.00	0	0.66	69	121	,	
Sample ID: 0608214-11A MS	SampType: MS	TestCod	TestCode: TAGM_MET_	_ Units: mg/Kg-dry	dry	Prep Date	707 F 11	RunNo: 20053	
Client ID: ZZZZZ	Batch ID: R20053	TestN	TestNo: SW6010B			Analysis Date:	8/29/2006	SeqNo: 243095	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	mit Qual
Arsenic	21.5	0.549	21.95	3.658	81.3	89	125		
Barium	85.9	0.439	21.95	76.02	44.9	69	123		တ
Cadmium	18.5	0.220	21.95	0.6971	81.3	29	123		
Chromium	33.2	0.439	21.95	18.30	0.89	99	124		
Lead	74.1	0.329	21.95	65.24	40.6	99	125		Ø
Selenium	15.3	0.549	21.95	0	69.5	29	124		
Silver	17.6	0.439	21.95	0	80.3	69	121		
Qualificus: E Value above	Value above quantitation range		H Holding	Holding times for preparation or analysis exceeded	ı or analysi	exceeded:	J Analyte detector	Analyte detected below quantitation li	
ND Not Detected	Not Detected at the Reporting Limit		R RPD out	RPD outside accepted recovery limits	ery limits		S Spike Recovery	Spike Recovery outside accepted reco	03-6
U Indicates the	Indicates the compound was analyzed for but not	nt not defecte							rage / or 9

ANALYTICAL QC SUMMARY REPORT

P.W. Grosser Consulting

0608273

Work Order:

Project:

CLIENT:

PEN-Glenwood Landing

BatchID: R20053

Sample ID: 0608214-11A MSD SampType: MSD	SampType MSD	TestCo	TestCode: TAGM_MET_	ET Units: mg/Kg-dry	-dry	Prep Date:	ni		RenNo: 20053	53	
Client ID: 22222	Batca (D): R20053	<u> </u>	Tearlo Sw6010B			Analy as Date:	a: 8/29/2003	0¢	ScqNo: 243096	3096	
Analyte	Result	Pal	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	RPDLimit	Qua
Arsenic	21.9	0.549	21.95	3.658	83.2	68	125	21.50	1.97	20	
Barium	86.3	0.439	21.95	76.02	46.9	69	123	85.87	0.507	20	S
Cadmium	18.6	0.220	21.95	0.6971	81.5	29	123	18.53	0.264	20	
Chromium	33.5	0.439	21.95	18.30	69.4	89	124	33.23	0.893	20	
Lead	74.3	0.329	21.95	65.24	41.3	99	125	74.14	0.228	20	S
Selenium	15.0	0.549	21,95	0	63.3	29	124	15.26	1 74	20	
Silver	17.5	0.439	21.95	0	7.6.7	69	121	17.62	0.686	20	

S Rualities: E Value above quantitation range Hadrix in tenference for preparation or analysis exceeded ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits Qualifiers:

U Indicates the compound was analyzed for but not detecte

J Analyse detected below quantitation li S Spike Recovery outside accepted reco

Page 9 of 9

ANALYTICAL QC SUMMARY REPORT

P.W. Grosser Consulting

0608273

Work Order:

Project:

CLIENT:

PEN-Glenwood Landing

BatchID: R20064

Sample ID: PBS	SampType MBLK	TestCode	TestCode: DRYHG_S	Units: mg/Kg		Prep Date:			RunNo 20064	P.	
Cilent iO PBS	Batch (D R20064	TestNi	TestNo. SW7471B			न्यत्रवापुत्रक निवादः । 8/29/2006	3/29/2006	.,	Seqniu: 243646	546	
Analyte	Result	Pal	SPK value	SPK Rei Val	%REC	LowLimit High	HighLimit RPD Ref Val	f Val	%RPD	RPOLimit	Qual
Mercury	n	0.0100									
Sample ID: LCSS	SampType: LCS	TestCod	TestCode: DRYHG_S	Units: mg/Kg		Prep Date:			RunNo: 20064	46	
Client ID: LCSS	Batch ID: R20064	TestN	TestNo: SW7471B			Analysis Date: 8	8/29/2006		SeqNo: 243647	347	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	%REC LowLimit HighLimit RPD Ref Val	nLimit RPD Re	f Val	%RPD	%RPD RPDLimit	Qual
Mercury	0.194	0.0100	0.2000	0	96.8	71.1	126				
Sample ID: 0608206-06A MS	SampType: MS	TestCod	TestCode: DRYHG_S	Units: mg/Kg-dry	l _y	Prep Date:			RunNo: 20064	7,5	
Client ID: ZZZZZZ	Batch ID: R20064	TestN	TestNo: SW7471B			Analysis Date: 8	8/29/2006		SeqNo: 243665	365	
Analyte	Result	PQL	SPK value	SPK value SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val	ıLimit RPD Re	f Vai	%RPD	RPDLimit	Qual
Mercury	0.762	0.0175	0.3496	0.4942	76.7	71.1	126				
Sample ID: 0608206-06A MSD	SampType: MSD	TestCod	TestCode: DRYHG_S	Units: mg/Kg-dry	7	Prep Date:			RunNo: 20064	25	
Client ID: ZZZZZ	Batch ID: R20064	TestN	TestNo: SW7471B			Analysis Date: 8/29/2006	8/29/2006		SeqNo: 243666	999	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	%REC LowLimit High	HighLimit RPD Ref Val	f Val	%RPD	RPDLimit	Qual
Mercury	0.775	0.0175	0.3496	0.4942	80.5	71.1	126 0.	0.7623	1.71	8	

Indicates the compound was analyzed for but not detecte

E Value above quantitation range ND Not Detected at the Reporting Limit Undicates the compound was analyzed Qualifiers:

H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits

Analyte detected below quantitation li Spike Recovery outside accepted reco - s



NYSDOH NJDEP CTDOH PADEP 11418 NY050 PH-0205 68-00573

Friday, September 08, 2006

Jim Rhodes P.W. Grosser Consulting 630 Johnson Avenue Suite 7 Bohemia, NY 11716

TEL: (631) 589-6353 FAX (631) 589-8705

RE: PEN-1 Shore Rd., Glenwood Landing

Dear Jim Rhodes:

Order No.: 0608317

American Analytical Laboratories, LLC. received 12 sample(s) on 8/30/2006 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The limits provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely.

Lab Director

Date: 08-Sep-06

Work Order Sample Summary

8/30/2006

8/30/2006

CLIENT: P.W. Grosser Consulting

Field Blank

Trip Blank

Project: PEN-1 Shore Rd., Glenwood Landing

Lab Order: 0608317

Lab Sample ID

0608317-01A

0608317-02A

0608317-03A

0608317-04A

0608317-05A

0608317-06A 0608317-07A

0608317-08A 0608317-09A

0608317-10A

0608317-11A

0608317-12A

0008317				
Client Sample ID	Tag Number	Date Collected	Date Received	
SB-4 [12.5'-15']	11018	8/30/2006 9:15:00 AM	8/30/2006	
SB-4 [27.5'-30']	11018	8/30/2006 9:30:00 AM	8/30/2006	
SB-5 [12.5'-15']	11018	8/30/2006 10:40:00 AM	8/30/2006	
SB-5 [27.5'-30']	11018	8/30/2006 10:50:00 AM	8/30/2006	
SB-6 [12.5'-15']	11018	8/30/2006 12:40:00 PM	8/30/2006	
SB-6 [27.5'-30']	11018	8/30/2006 12:50:00 PM	8/30/2006	
SB-7 [17.5'-20']	11018	8/30/2006 2:00:00 PM	8/30/2006	
SB-7 [27.5'-30']	11018	8/30/2006 2:15:00 PM	8/30/2006	
SB-8 [17.5'-20']	11018	8/30/2006 2:50:00 PM	8/30/2006	
SB-8 [13'-15']	11018	8/30/2006 2:45:00 PM	8/30/2006	

8/30/2006 12:00:00 PM

8/30/2006 12:00:00 PM

11018

11018

MERICÁN ANALYTICAL ELABORATORIES

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 (631) 454-6100 • FAX (631) 454-8027

TAG # / COC__

11418 PH-0205 NY050 68-573 NYSDOH CTDOH NJDEP PADEP

	CHA	N	CHAIN OF CUSTODY	I_ I	REQUE	REQUEST FOR ANALYSIS DOCUMENT	IS DOCU	MENT	
CLIENT NAME/ADDRESS	SS		CONTA	CONTACT: J.M.	Rhodes	SAMPLER (SIGNATURE)	0	SAMPLE(S) SEALED	YES / NO
630 Johnson Ave. ste 7	Ave	+5	7			The state of the s	\ \		
Bohemia, NY 11716	ニー	9 2				<u> </u>		CORRECT CONTAINER(S)	YES / NO
PROJECT LOCATION: PEN - 1 Shove Rd,	Shore	Rohi	Blenwood	of Landing	- - -	100 100 100 100 100 100 100 100 100 100			For
LABORATORY ID#	MATRIX # CON-	# CON-	SAMPLING DATE/ TIME	SAMP	SAMPLE # - LOCATION	2000		ME	METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
1,08317-1A	ŋ	_	8/30/66 09155B-4	-5B-4	12.5'-15'	X			
the	-	20.0	0560 1	0930 SB-4	27.5'-30	2, 1			
34		_	0 + OI	58-5	12.5-15	,			
<i>₩</i>		ı	1050	58-5	27, 5, -30),			
B		-	1240	38-8	12.5'-15'				
79		_	1250	38-6	27.5-30	,,			
Vt.		-	1400	58-7	17,5'-20'	,0			
48			1415	SB-7	27,5'-30'	// ,0			
dy		1000	1450	58-9	17,5'-20'	7			
CO'	>	7	5441	8-85	131-151	×××			
W17	-	7	1200	Field B	Blank	×			
124	7	_		7	Blank	×			
							COOLER TE	COOLER TEMPERATURE:	
×	IQUID; SL=S	LUDGE; A-	S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL	T CHIPS; B=BU		TURNAROUND REQUIRED:	COMMENTS	IENTS / INSTRUCTIONS	
TYPE G=GRAB; C	:=COMPOS	SITE, SS=S	G=GRAB; C=COMPOSITE, SS=SPLIT SPOON			NORMAL (2) STAT BY	7	12 / CEC.	Summon!
RELINQUISHED BY (SIGNATI	SIGNATUR	-00-C	PATE OF PRINT	John E	chler	RECEIVED BY LAB (SIGNATURE)	60	PRINTED MANE	600
RELINQUISHED BY (SIGNATURE)	SIGNATURE		5	PRINTED NAME		RECEIVED BY LAB (SIGMATURE)	•	PRINTED NAME	
		-	TIME				TIME		

AMERICAN ANALYTICAL LABORATORIES, LLC

56 TOLEDO STREET FARMINGDALE, NEW YORK 11735 TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	 Indicates an estimated value. The flag is used: When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
В	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
Р	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
н	Indicates sample was received and/or analyzed outside of

The method allowable holding time

Date: 08-Sep-06

CLIENT: P.W. Grosser Consulting

Lab Order: 0608317

Project: PEN-1 Shore Rd., Glenwood Landing

Lab ID: 0608317-10A

Client Sample ID: SB-8 [13'-15']

Tag Number: 11018

Collection Date: 8/30/2006 2:45:00 PM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
MERCURY	SW7471B		SW7471B		Analyst: WN
Mercury	U	0.0116	mg/Kg-dry	1	8/31/2006 3:20:00 PM
PERCENT MOISTURE		D2216			Analyst: PA
Percent Moisture	18.4	0	wt%	1	8/31/2006
NCDH METALS		SW6010B	SW3050A		Analyst: JP
Arsenic	U	0.601	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Barium	3.06	0.481	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Cadmium	0.835	0.240	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Chromium	1.13	0.481	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Lead	38.6	0.361	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Selenium	U	0.601	mg/Kg-dry	1	8/31/2006 1:57:50 PM
Silver	U	0.481	mg/Kg-dry	1	8/31/2006 1:57:50 PM
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW3550A		Analyst: SB
1,2,4-Trichlorobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
1,2-Dichlorobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
1,3-Dichlorobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
1,4-Dichlorobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4,5-Trichlorophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4,6-Trichlorophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4-Dichlorophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4-Dimethylphenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4-Dinitrophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,4-Dinitrotoluene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2,6-Dinitrotoluene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Chloronaphthalene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Chlorophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Methylnaphthalene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Methylphenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Nitroaniline	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
2-Nitrophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
3,3'-Dichlorobenzidine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
3+4-Methylphenol	Ü	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
3-Nitroaniline	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4,6-Dinitro-2-methylphenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4-Bromophenyl phenyl ether	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4-Chloro-3-methylphenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4-Chloroaniline	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4-Chlorophenyl phenyl ether	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
4-Nitroaniline	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

Project:

Lab ID:

0608317

0608317-10A

Client Sample ID: SB-8 [13'-15']

Tag Number: 11018

PEN-1 Shore Rd., Glenwood Landing

Collection Date: 8/30/2006 2:45:00 PM

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed	
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW3550A		Analyst: SB	
4-Nitrophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Acenaphthene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Acenaphthylene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Aniline	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Anthracene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Azobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzidine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzo(a)anthracene	υ	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzo(a)pyrene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzo(b)fluoranthene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzo(g,h,i)perylene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzo(k)fluoranthene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzoic acid	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Benzyl alcohol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Bis(2-chloroethoxy)methane	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Bis(2-chloroethyl)ether	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Bis(2-chloroisopropyl)ether	υ	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Bis(2-ethylhexyl)phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Butyl benzyl phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Carbazole	U.	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Chrysene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Dibenzo(a,h)anthracene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Dibenzofuran	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Diethyl phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Dimethyl phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Di-n-butyl phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Di-n-octyl phthalate	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Fluoranthene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Fluorene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Hexachlorobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Hexachlorobutadiene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Hexachlorocyclopentadiene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Hexachloroethane	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Indeno(1,2,3-c,d)pyrene	U	150	µg/Kg-dry	1	9/5/2006 7:04:00 PM	
Isophorone	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Naphthalene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
Nitrobenzene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
N-Nitrosodimethylamine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	
N-Nitrosodi-n-propylamine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM	

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT: Lab Order: P.W. Grosser Consulting

060

0608317

Client Sample ID: SB-8 [13'-15']

Tag

Tag Number: 11018

Project: PEN-1 Shore Rd., Glenwood Landing

Collection Date: 8/30/2006 2:45:00 PM

Lab ID: 0608317-10A

Matrix: SOIL

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
SEMIVOLATILE SW-846 METHOD 8270		SW8270D	SW3550A		Analyst: SB
N-Nitrosodiphenylamine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
Pentachlorophenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
Phenanthrene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
Phenol	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
Pyrene	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
Pyridine	U	150	μg/Kg-dry	1	9/5/2006 7:04:00 PM
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030	Α	Analyst: MMR
1,1,1,2-Tetrachloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1,1-Trichloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1,2,2-Tetrachloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	υ	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1,2-Trichloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1-Dichloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1-Dichloroethene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,1-Dichloropropene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2,3-Trichlorobenzene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2,3-Trichloropropane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2,4,5-Tetramethylbenzene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2,4-Trichlorobenzene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2,4-Trimethylbenzene	U	6.1	µg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2-Dibromo-3-chloropropane	U	6.1	µg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2-Dibromoethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2-Dichlorobenzene	υ	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2-Dichloroethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,2-Dichloropropane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,3,5-Trimethylbenzene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
1,3-Dichlorobenzene	U	6.1	µg/Kg-dry	1	9/1/2006 6:50:00 AM
1,3-dichloropropane	U	6.1	μg/Kg - dry	1	9/1/2006 6:50:00 AM
1,4-Dichlorobenzene	υ	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2,2-Dichloropropane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2-Butanone	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2-Chloroethyl vinyl ether	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2-Chlorotoluene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2-Hexanone	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
2-Propanol	U	61	μg/Kg-dry	1	9/1/2006 6:50:00 AM
4-Chlorotoluene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
4-Isopropyltoluene	U	6.1	µg/Kg-dry	1	9/1/2006 6:50:00 AM
4-Methyl-2-pentanone	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM
Acetone	· U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM

- 3 Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - J Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608317

PEN-1 Shore Rd., Glenwood Landing

Project: Lab ID:

0608317-10A

Client Sample ID: SB-8 [13'-15']

Tag Number: 11018

Collection Date: 8/30/2006 2:45:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260	SW8260B		SW5030A		Analyst: MMR	
Acrolein	U	31		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Acrylonitrile	U	6.1		µg/Kg-dry	1	9/1/2006 6:50:00 AM
Benzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Bromobenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Bromochloromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Bromodichloromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Bromoform	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Bromomethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Carbon disulfide	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Carbon tetrachloride	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Chlorobenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Chlorodifluoromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Chloroethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Chloroform	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Chloromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
cis-1,2-Dichloroethene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
cis-1,3-Dichloropropene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Dibromochloromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Dibromomethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Dichlorodifluoromethane	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Diisopropyl ether	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Ethanol	U	31		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Ethyl acetate	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Ethylbenzene	U	6.1		µg/Kg-dry	1	9/1/2006 6:50:00 AM
Freon-114	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Hexachlorobutadiene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Isopropyl acetate	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Isopropylbenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
m,p-Xylene	U	12		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Methyl tert-butyl ether	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Methylene chloride	9.9	6.1	В	μg/Kg-dry	1	9/1/2006 6:50:00 AM
n-Amyl acetate	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
Naphthalene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
n-Butyl acetate	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
n-Butylbenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
n-Propyl acetate	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
n-Propylbenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
o-Xylene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM
p-Diethylbenzene	U	6.1		μg/Kg-dry	1	9/1/2006 6:50:00 AM

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
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- Е Value above quantitation range
- Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608317

PEN-1 Shore Rd., Glenwood Landing

Project: Lab ID:

0608317-10A

Client Sample ID: SB-8 [13'-15']

Tag Number: 11018

Tag Number. 11016

Collection Date: 8/30/2006 2:45:00 PM

Matrix: SOIL

Analyses	Result Limit Qual		Units DF		Date Analyzed	
VOLATILE SW-846 METHOD 8260	-	SW8260B	00B SW5030A		Analyst: MMR	
p-Ethyltoluene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
sec-Butylbenzene	IJ	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Styrene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
t-Butyl alcohol	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
tert-Butylbenzene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Tetrachloroethene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Toluene	26	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
trans-1,2-Dichloroethene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
trans-1,3-Dichloropropene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Trichloroethene	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Trichlorofluoromethane	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Vinyl acetate	U	6,1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	
Vinyl chloride	U	6.1	μg/Kg-dry	1	9/1/2006 6:50:00 AM	

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v	ua			v	Э,

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608317

PEN-1 Shore Rd., Glenwood Landing

Project: Lab ID:

0608317-11A

Client Sample ID: Field Blank

Tag Number: 11018

Collection Date: 8/30/2006 12:00:00 PM

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A	\	Analyst: LDS
1,1,1,2-Tetrachloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1,1-Trichloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1,2,2-Tetrachloroethane	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1,2-Trichloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1-Dichloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1-Dichloroethene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,1-Dichloropropene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2,3-Trichlorobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2,3-Trichloropropane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2,4-Trichlorobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2,4-Trimethylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2-Dibromo-3-chloropropane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2-Dibromoethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2-Dichlorobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2-Dichloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,2-Dichloropropane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,3,5-Trimethylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,3-Dichlorobenzene	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
1,3-dichloropropane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
1,4-Dichlorobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
2,2-Dichloropropane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
2-Butanone	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
2-Chloroethyl vinyl ether	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
2-Chlorotoluene	U	1.0	μg/Ľ	1	9/1/2006 2:54:00 AM
2-Hexanone	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
2-Propanol	U	50	μg/L	1	9/1/2006 2:54:00 AM
4-Chlorotoluene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
4-Isopropyltoluene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
4-Methyl-2-pentanone	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Acetone	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Acrolein	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Acrylonitrile	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Benzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Bromobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Bromochloromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Bromodichloromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Bromoform	U	1.0	μg/L	1	9/1/2006 2:54:00 AM

Qualifiers:

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- Spike Recovery outside accepted recovery limits
- Χ Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608317

Project:

PEN-1 Shore Rd., Glenwood Landing

Lab ID:

0608317-11A

Client Sample ID: Field Blank

Tag Number: 11018

Collection Date: 8/30/2006 12:00:00 PM

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A		Analyst: LDS
Bromomethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Carbon disulfide	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Carbon tetrachloride	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Chlorobenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Chlorodifluoromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Chloroethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Chloroform	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Chloromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
cis-1,2-Dichloroethene	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
cis-1,3-Dichloropropene	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
Dibromochloromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Dibromomethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Dichlorodifluoromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Diisopropyl ether	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Ethanol	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Ethyl acetate	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Ethylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Freon-114	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Hexachlorobutadiene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Isopropyl acetate	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Isopropylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
m,p-Xylene	U	2.0	μg/L	1	9/1/2006 2:54:00 AM
Methyl tert-butyl ether	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Methylene chloride	5.1	1.0 B	μg/L	1	9/1/2006 2:54:00 AM
n-Amyl acetate	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Naphthalene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
n-Butyl acetate	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
n-Butylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
n-Propyl acetate	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
n-Propylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
o-Xylene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
p-Diethylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
p-Ethyltoluene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
sec-Butylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Styrene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
t-Butyl alcohol	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
tert-Butylbenzene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Tetrachloroethene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Toluene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM

Qualifiers:

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- Analyte detected below quantitation limits J
- Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order: Project:

Lab ID:

0608317

PEN-1 Shore Rd., Glenwood Landing

0608317-11A

Client Sample ID: Field Blank

Tag Number: 11018

Collection Date: 8/30/2006 12:00:00 PM

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030	Α	Analyst: LDS
trans-1,2-Dichloroethene	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
trans-1,3-Dichloropropene	U	1.0	μg/Ľ	1	9/1/2006 2:54:00 AM
Trichloroethene	U	1.0	µg/L	1	9/1/2006 2:54:00 AM
Trichlorofluoromethane	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Vinyl acetate	U	1.0	μg/L	1	9/1/2006 2:54:00 AM
Vinyl chloride	U	1.0	μg/L	1	9/1/2006 2:54:00 AM

В

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Lab Order:

0608317

Project: P

PEN-1 Shore Rd., Glenwood Landing

Lab ID:

0608317-12A

Client Sample ID: Trip Blank

Tag Number: 11018

Collection Date: 8/30/2006 12:00:00 PM

Matrix: LIQUID

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260	B SW50	30A	Analyst: LDS
1,1,1,2-Tetrachloroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1,1-Trichloroethane	U	1.0	µg/L	1	9/1/2006 3:41:00 AM
1,1,2,2-Tetrachloroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1,2-Trichloroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1-Dichloroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1-Dichloroethene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,1-Dichloropropene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2,3-Trichlorobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2,3-Trichloropropane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2,4-Trichlorobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2,4-Trimethylbenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2-Dibromo-3-chloropropane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2-Dibromoethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2-Dichlorobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2-Dichloroethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,2-Dichloropropane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,3,5-Trimethylbenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,3-Dichlorobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,3-dichloropropane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
1,4-Dichlorobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
2,2-Dichloropropane	U	1.0	µg/L	1	9/1/2006 3:41:00 AM
2-Butanone	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
2-Chloroethyl vinyl ether	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
2-Chlorotoluene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
2-Hexanone	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
2-Propanol	U	50	μg/Ľ	1	9/1/2006 3:41:00 AM
4-Chlorotoluene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
4-Isopropyltoluene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
4-Methyl-2-pentanone	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Acetone	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Acrolein	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Acrylonitrile	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Benzene	U	1.0	µg/L	1	9/1/2006 3:41:00 AM
Bromobenzene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Bromochloromethane	U	1.0	μg/L	1	9/1/2006 3;41:00 AM
Bromodichloromethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Bromoform	U	1.0	μg/L	1	9/1/2006 3:41:00 AM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- U Indicates the compound was analyzed for but not detecte
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- X Value exceeds Maximum Contaminant Level

CLIENT:

P.W. Grosser Consulting

Client Sample ID: Trip Blank

Date: 08-Sep-06

Lab Order:

0608317

Tag Number: 11018

Project:

PEN-1 Shore Rd., Glenwood Landing

Collection Date: 8/30/2006 12:00:00 PM

Lab ID:

0608317-12A

Matrix: LIQUID

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
VOLATILE SW-846 METHOD 8260		SW8260B	SW5030A		Analyst: LDS
trans-1,2-Dichloroethene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
trans-1,3-Dichloropropene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Trichloroethene	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Trichlorofluoromethane	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Vinyl acetate	U	1.0	μg/L	1	9/1/2006 3:41:00 AM
Vinyl chloride	U	1.0	μg/L	1	9/1/2006 3:41:00 AM

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Indicates the compound was analyzed for but not detecte
- Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits
- Value exceeds Maximum Contaminant Level

CLIENT: P.W. Grosser Consulting

Work Order: 0608317

PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

Date: 08-Sep-06

TestNo: SW8260B

Sample ID: VBLKS083106H	SampType: MBLK	TestCode:	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:		RunNo: 20139	
Client ID: PBS	Batch ID: 11999	TestNo:	TestNo: SW8260B	SW5030A	Analysis Date:	8/31/2006	SeqNo: 244853	
Analyte	Result	POL	SPK value S	SPK Ref Val %REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	it Qual
1,1,1,2-Tetrachloroethane	ח	5.0						
1,1,1-Trichloroethane	n	5.0						
1,1,2,2-Tetrachloroethane	n	5.0						
1,1,2-Trichloro-1,2,2-trifluoroethane	ethane U	5.0						
1,1,2-Trichloroethane	n	5.0						
1,1-Dichloroethane	Π	5.0						
1,1-Dichloroethene	Π	5.0						
1,1-Dichloropropene	D	5.0						
1,2,3-Trichlorobenzene	n	5.0						
1,2,3-Trichloropropane	כ	5.0						
1,2,4,5-Tetramethylbenzene	Π	5.0						
1,2,4-Trichlorobenzene	Π	5.0						
1,2,4-Trimethylbenzene	n	5.0						
1,2-Dibromo-3-chloropropane		5.0						
1,2-Dibromoethane	D	5.0						
1,2-Dichlorobenzene	⊃	5.0						
1,2-Dichloroethane	n	5.0						
1,2-Dichloropropane	⊃	5.0						
1,3,5-Trimethylbenzene	n	5.0						
1,3-Dichlorobenzene	D	5.0						
1,3-dichloropropane	n	5.0						
1,4-Dichlorobenzene	n	5.0						
2,2-Dichloropropane	ח	5.0						
2-Butanone	n	5.0						
2-Chloroethyl vinyl ether		5.0						
2-Chlorotoluene	n	5.0						
2-Hexanone	כ	5.0						
2-Propanol	כ	50						
4-Chlorotofuene	כ	5.0						
4-Isopropyltoluene	Π	5.0						
Oualifiers: E Value a	Value above quantitation range		H Holding	Holding times for preparation or analysis exceeded	alysis exceeded		Analyte detected below quantitation li	
Z	Not Detected at the Reporting Limit		R RPD ou	RPD outside accepted recovery limits	its	S Spike Recovery	Spike Recovery outside accepted reco	Dags 1.0
	0							rage 1 o

ND Not Detected at the Reporting Limit R Indicates the compound was analyzed for but not detecte

Page 1 of 14

Page 2 of 14

P.W. Grosser Consulting CLIENT:

0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

SW8260B TestNo:

Culture Des Sea Barten Part P	Sample ID: VBLKS083106H	083106H	SampType: MBLK	TestCode: DryFull8260_	yFull8260_	Units: µg/Kg	Prep Date:		RunNo: 20139	
Poll			Batch ID: 11999	TestNo: S	N8260B	SW5030A		1/2006	SeqNo: 244853	
U 50 50 1 1 1 1 1 1 1 1 1	l Analyte		Result			SPK Ref Val	LowLimit			
1	4-Methyl-2-pentanou	ne	כ	5.0						
the first bit of the first bit bit of the first bit of the first bit of the first bit bit of the first bit of the first bit bit bit bit bit bit bit bit bit bi	Acetone		Π	5.0						
nnee 0 5.0 nneethane 0 5.0 nomethane 0 5.0 nneethane 0 5.0 ane achinered 0 5.0 ane achinered 0 5.0 ane achinered 0 5.0 nneethane 0 5.0 nneethane 0 5.0 nnoordehane 0 5.0 thane 0 5.0 thane 0 5.0 thane 0 5.0 ncoordehane 0 5.0 thane 0 5.0 thane 0 5.0 ncoordehane 0 5.0 ncoordehane 0 5.0 ncoordehane 0 5.0 ncoordehane 0	Acrolein		ח	25						
Inflance 0 5.0 Includance 0 5	Acrylonitrile		ח	5.0						
U 50 50 60 60 60 60 60 60	Benzene		n	5.0						
0 5.0 0 5.0	Bromobenzene		ב	5.0						
U 5.0	Bromochloromethar	ne	ח	5.0						
1	Bromodichlorometh	lane	Π	5.0						
1	Bromoform		ח	5.0						
U 5.0 D	Bromomethane		Π	5.0						
 U 5.0 <l< td=""><td>Carbon disulfide</td><td></td><td>ח</td><td>5.0</td><td></td><td></td><td></td><td></td><td></td><td></td></l<>	Carbon disulfide		ח	5.0						
0 5.0 0 6.0 0 7.0	Carbon tetrachlorid	, O	D	5.0						
0 5.0 1 5.0 1 5.0 1 5.0 2 5.0 3 5.0 3 6.0 4 6.0 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Chlorobenzene		D	5.0						
 U 5.0 <l< td=""><td>Chlorodifluorometh:</td><td>ane</td><td>¬</td><td>5.0</td><td></td><td></td><td></td><td></td><td></td><td></td></l<>	Chlorodifluorometh:	ane	¬	5.0						
U 5.0 D 5.0 D 5.0 D 5.0 D 5.0 E Analyte detected below quantitation fit	Chloroethane		n	5.0						
U 5.0 Expected before the correction or analysis exceeded J <td>Chloroform</td> <td></td> <td>⊃</td> <td>5.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Chloroform		⊃	5.0						
U 5.0 Washin the operated or the compound was analyzed for but not detected	Chloromethane		⊃	5.0						
U 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U 2.5 U 5.0 Detected at the Reporting Limit R RPD outside accepted recovery limits S pike Recovery outside accepted recovery limits S pix exceeded 3 Spike Recovery outside accepted recovery limits	cis-1,2-Dichloroeth€	ene	n n	5.0						
0 5.0 0 5.0	cis-1,3-Dichloropro	pene	n n	5.0						
Long thane U 5.0 U 5.0 1 U 5.0 1 <tr< td=""><td>Dibromochlorometh</td><td>nane</td><td>n n</td><td>5.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	Dibromochlorometh	nane	n n	5.0						
U 5.0 U 5.0 U 25 U 5.0 Detected at the Reporting Limit R R RPD outside accepted recovery limits S pike Recovery outside accepted recovery limits S pike Recovery outside accepted recovery limits S pike Recovery outside accepted recovery limits	Dibromomethane		<u></u>	5.0						
ther U 5.0 u 25 u 5.0 tadelene U 5.0 teate U 5.0 zene U 5.0 E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation li ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco U Indicates the compound was analyzed for but not detecte R RPD outside accepted recovery limits S Spike Recovery outside accepted reco	Dichlorodifluoromet	thane	n	5.0						
U 25 1 25 25 26 26 26 26 26 26	Diisopropyl ether		n	5.0						
U 5.0 Litable D D D D D D D D D	Ethanol		ם	25						
butadiene U 5.0 butadiene U 5.0 cetate U 5.0 butadiene U 5.0 butadiene U 5.0 In folding times for preparation or analysis exceeded In folding times for preparation o	Ethyl acetate		כ	5.0						
boutadiene U 5.0 cetate U 5.0 D 5.0 In 10 E Value above quantitation range ND Not Detected at the Reporting Limit ND Not Detected the Reporting Limit ND	Ethylbenzene		ח	5.0						
boltadiene	Freon-114		ס	5.0						
cetate U 5.0 U 5.0 U 5.0 U 5.0 U 1.0 H Holding times for preparation or analysis exceeded U Analyte detected below quantitation li R RPD outside accepted recovery limits ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits N Indicates the compound was analyzed for but not detecte	Hexachlorobutadier	ne	ס	5.0						
E Value above quantitation range ND Not Detected at the Reporting Limit ND Not Detected at the Reporting Limit ND Indicates the compound was analyzed for but not detected Holding times for preparation or analysis exceeded J Analyte detected below quantitation li R RPD outside accepted recovery limits S Spike Recovery outside accepted reco	Isopropyl acetate		כ	5.0						
E Value above quantitation range ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S spike Recovery outside accepted reco U Indicates the compound was analyzed for but not detecte	Isopropylbenzene		כ	5.0						
E Value above quantitation range Holding times for preparation or analysis exceeded J Analyte detected below quantitation li ND Not Detected at the Reporting Limit RPD outside accepted recovery limits Spike Recovery outside accepted reco U Indicates the compound was analyzed for but not detecte	m,p-Xylene		n	10						
Not Detected at the Reporting Limit R RPD outside accepted recovery limits S spike Recovery outside accepted reco Indicates the compound was analyzed for but not detecte		Value above	e quantitation range	H	Holding	times for preparation			low quantitation li	
Indicates the compound was analyzed for but not detecte	ND	-	d at the Reporting Limit	R	RPD out	side accepted recover			side accepted reco	
	n	Indicates the	e compound was analyzed for but not	: detecte						Page 2 of

0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

SW8260B TestNo:

			1		И							
Sample ID: VBLKS083106H	083106H	SampType: MBLK	lestCod	lestCode: DryFull8260_	Units: µg/Kg		Prep Date:			RunNo: 20139	139	
Client ID: PBS		Batch ID: 11999	TestN	TestNo: SW8260B	SW5030A	∢	Analysis Date:	8/31/2006	"	SeqNo: 244853	1853	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	her	Ω	5.0									
Methylene chloride		3.7	5.0									-
n-Amyl acetate		ח	5.0									o
Naphthalene		ח	5.0									
n-Butyl acetate		ח	5.0									
n-Butylbenzene		n	5.0									
n-Propyl acetate		n	2.0									
n-Propylbenzene		ח	5.0									
o-Xylene		n	5.0									
p-Diethylbenzene		n	5.0									
p-Ethyltoluene		D	5.0									
sec-Butylbenzene		n	5.0									
Styrene		Π	5.0									
t-Butyl alcohol		n	5.0									
tert-Butylbenzene		Π	5.0									
Tetrachloroethene		Π	5.0									
Toluene		Π	5.0									
trans-1,2-Dichloroethene	thene	D	5.0									
trans-1,3-Dichloropropene	ropene	D	5.0									
Trichloroethene		n	5.0									
Trichlorofluoromethane	ane	n	5.0									
Vinyl acetate		n	5.0									
Vinyl chloride		n	5.0									
Sample ID: LCSS083106H)83106Н	SampType: LCS	TestCoc	TestCode: DryFull8260_	Units: µg/Kg		Prep Date:			RunNo: 20139	139	
Client ID: LCSS		Batch ID: 11999	Test	TestNo: SW8260B	SW5030A	٩	Analysis Date:	8/31/2006	6	SeqNo: 244854	1854	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		61	5.0	50.00	0	123	42	138				
Benzene		55	5.0	50.00	0	109	45	137				
Chlorobenzene		51	5.0	50.00	0	101	41	143				
Qualifiers: E	Value above	Value above quantitation range		H Holding	Holding times for preparation or analysis exceeded	or analysis	exceeded	J An	Analyte detected below quantitation li	slow quantitatic	on li	
QN		Not Detected at the Reporting Limit		R RPD out	RPD outside accepted recovery limits	ry limits		S Sp	Spike Recovery outside accepted reco	tside accepted r		
n	Indicates the	Indicates the compound was analyzed for but not detecte	at not detecte									Page 3 of 14

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CLIENT: P.W. Grosser Consulting

Work Order: 0608317

PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

TestNo: SW8260B

Sample ID: LCSS083106H	SampType: LCS	TestCoc	TestCode: DryFull8260_	Units: µg/Kg		Prep Date:			RunNo: 20139	39	
Client ID: LCSS	Batch ID: 11999	Testh	TestNo: SW8260B	SW5030A		Analysis Date:	8/31/2006		SeqNo: 244854	854	
Analyte	Result	Pal	SPK value S	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	ef Val	%RPD	RPDLimit	Qual
Toluene	52	5.0	50.00	0	103	38	141				
Trichloroethene	49	5.0	50.00	0	97.4	39	136				
Sample ID: 0608317-10AMS	SampType: MS	TestCod	TestCode: DryFull8260_	Units: µg/Kg-dry	lry	Prep Date:			RunNo: 20139	39	
Client ID: SB-8 [13'-15']	Batch ID: 11999	Testh	TestNo: SW8260B	SW5030A		Analysis Date: 9/1/2006	9/1/2006		SeqNo: 244865	865	
Analyte	Result	Pal	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	ef Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33	6.1	61.29	0	54.1	42	138				
Benzene	40	6.1	61.29	0	65.8	45	137				
Chlorobenzene	38	6.1	61.29	0	61.9	14	143				
Toluene	64	6.1	61.29	25.62	63.1	38	141				
Trichloroethene	25	6.1	61.29	0	41.5	39	136				
Sample ID: 0608317-10AMSD	SampType: MSD	TestCod	TestCode: DryFull8260_	Units: µg/Kg-dry	ıry	Prep Date:			RunNo: 20139	39	
Client ID: SB-8 [13'-15']	Batch ID: 11999	Test	TestNo: SW8260B	SW5030A		Analysis Date:	9/1/2006		SeqNo: 244866	998	
Analyte	Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	ef Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	2.2	6.1	61.29	0	3.60	42	138	33.15	0	20	Sf
Benzene	25	6.1	61.29	0	40.7	45	137	40.30	47.2	20	SR
Chlorobenzene	23	6.1	61.29	0	37.6	41	143	37.91	48.7	20	SR
Toluene	35	6.1	61.29	25.62	15.1	38	141 (64.29	59.4	20	SR
Trichloroethene	10	6.1	61.29	0	16.4	39	136	25.45	9.98	20	SR

Qualifiers:	ы	Value above quantitation range	Н	Holding times for preparation or analysis
	N	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	Ω	Indicates the compound was analyzed for but not detecte		

ation or analysis exceeded J Analyte detected below quantitation li covery limits S pike Recovery outside accepted reco

P.W. Grosser Consulting CLIENT:

0608317 Work Order: PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

CO200	CO/70 M	
OCTION	L COLLAG.	

Sample ID: MB-11979	SampType: MBI K	TestCode	TestCode: Dry8270 Soil Hoite:				
) 				KunNo: 20167	
Client ID: PBS	Batch ID: 11979	TestNo	No: SW8270D SW3550A	0A Analysis Date:	9/5/2006	SeqNo: 245202	
Analyte	Result	PaL	SPK value SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	imit Qual
1,2,4-Trichlorobenzene	n	120					
1,2-Dichlorobenzene	D	120					
1,3-Dichlorobenzene	n	120					
1,4-Dichlorobenzene	n	120					
2,4,5-Trichlorophenol	D	120					
2,4,6-Trichlorophenol	D	120					
2,4-Dichlorophenol	D	120					
2,4-Dimethylphenol	D	120					
2,4-Dinitrophenol	n	120					
2,4-Dinitrotoluene	n	120					
2,6-Dinitrotoluene	D	120					
2-Chloronaphthalene	n	120					
2-Chlorophenol	n	120					
2-Methylnaphthalene	D	120					
2-Methylphenol	D	120					
2-Nitroaniline	D	120					
2-Nitrophenol	D	120					
3,3'-Dichlorobenzidine	D	120					
3+4-Methylphenol	n	120					
3-Nitroaniline	D	120					
4,6-Dinitro-2-methylphenol	D	120					
4-Bromophenyl phenyl ether	n	120					
4-Chloro-3-methylphenoi	J	120					
4-Chloroaniline	D	120					
4-Chlorophenyl phenyl ether	D	120					
4-Nitroaniline	D	120					
4-Nitrophenol	D	120					
Acenaphthene	n	120					
Acenaphthylene	⊃	120					
Aniline	D	120					
Anthracene	D	120					
Qualifiers: E Value above o	Value above quantitation range		H Holding times for pre	Holding times for preparation or analysis exceeded	J Analyte detected be	Analyte detected below quantitation li	
ND	Not Detected at the Reporting Limit			d recovery limits		Spike Recovery outside accepted reco	
U Indicates the	Indicates the compound was analyzed for but not detecte	out not detecte				•	Page 5 of 14

0608317 Work Order: PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

TestNo: SW8270D

Parch D: 1579 TastNo. SW9270D SW3550A Analysis Dale: 916/2006 SPK Ref Val	Sample ID: MB-11979	79 SampType: MBLK		Code: Dr	TestCode: Dry8270_Soil Units: µg/Kg	Prep Date: 9/	9/2/2006	RunNo: 20167	
POL SPK Net Net Net Net Net Net Net Net Net Net Net Net		Batch ID: 1		stNo: SV			5/2006	SeqNo: 245202	
u 120 snee U 120 randbane U 120 carthenee U 120 carthenee U 120 to old U 120 to total U 120 sopropylether U 120 phthalate U 120 nable U 120 nable U 120 state U 120 state U 120 thalate U 120 c-dilpyrene	Analyte	ш				LowLimit		%RPD RPDLimit	Qual
120 120	Azobenzene								
### 120 120 1	Benzidine		U 120	0					
120 120	Benzo(a)anthracene		U 12(0					
U 120	Benzo(a)pyrene		U 12(0					
better 120 lu 120 lethane 120 lu 120 lether 120 lu 120 e 120 lu	Benzo(b)fluoranthen	ē		0					
thane U 120 U 120 I	Benzo(g,h,i)perylene	a)	U 12(0					
U 120	Benzo(k)fluoranthen	ā		0					
oxy)methane U 120 oxy)chtrate U 120 propyljether U 120 propyljether U 120 thalate U 120 uthracene U 120 ter U 120 ter U 120 alate U 120 alate U 120 cene U 120 adiene U 120 copentadiene U 120 anne U 120 d)byrene U 120 Albyrene U 120 D 120 120 D 120 120 B Holding times for preparation or analysis exceeded J D 120 120 D 120 120 B Holding times for preparation or analysis exceeded J D 120 120 D 12	Benzoic acid			0					
U 120	Benzyl alcohol			0					
U 120	Bis(2-chloroethoxy)n	nethane		0					
U 120	Bis(2-chloroethyl)eth	her		0					
U 120	Bis(2-chloroisopropy	/l)ether		0					
U 120	Bis(2-ethylhexyl)phtł	halate		0					
ene U 120 ene U 120 U 120 Andrease the Reporting Limit U 120 Andrease the convery limits D 120 Andrease the convery limits	Butyl benzyl phthala	ıte		0					
ene U 120 ene U 120 U 120 120 U 120 120 U 120 120 Eadlene U 120 ene U 120 ene U 120	Carbazole			0					
ene	Chrysene			0					
U 120	Dibenzo(a,h)anthrac	sene		0					
U 120	Dibenzofuran			0					
U 120	Diethyl phthalate			0					
U 120	Dimethyl phthalate			0					
U 120 U 120 U 120 tadiene U 120 ene U 120 ene U 120 U 120 120 Value above quantitation range U 120 Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Indicates the commonify was applicated for but not detected R RPD outside accepted recovery limits S	Di-n-butyl phthalate			0					
9 120 1 <t< td=""><td>Di-n-octyl phthalate</td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td></t<>	Di-n-octyl phthalate			0					
a U 120 b 120 120 cadiene U 120 ene U 120 ene U 120 U 120 U 120 U 120 Not Detected at the Reporting Limit R Robbits deacepted recovery limits S Indicates the commonification was applicated for but not detected. F	Fluoranthene			0					
tadiene	Fluorene			0					
U 120 H Holding times for preparation or analysis exceeded J set the Reporting Limit R RPD outside accepted recovery limits S state common was analyzed for but not detected.	Hexachlorobenzene			0					
U 120 H Holding times for preparation or analysis exceeded J set the Reporting Limit R RPD outside accepted recovery limits S state common was analyzed for but not detected.	Hexachlorobutadien	Ð.		0					
yrene U 120 Solution range Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Indicates the common of was analyzed for but not detected.	Hexachlorocyclopen	ıtadiene		0					
For a particular state of the compound was analyzed for but not detected. 130 120 120 120 120 120 120 120	Hexachloroethane			0					
E Value above quantitation range	Indeno(1,2,3-c,d)pyr	rene		0					
E Value above quantitation range H Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S	Isophorone			0					
E Value above quantitation range H Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S	Naphthalene			0					
Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Indicates the commons analyzed for but not detected.		Value above quantitation range		H	Holding times for preparation	or analysis exceeded		low quantitation li	
	QN	Not Detected at the Reporting	Limit		RPD outside accepted recover	ry limits			J. 9 2 2 2
	Ω	Indicates the compound was ar	nalyzed for but not dete	cte				<u></u>	rage o or

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0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

Sample ID: MB-11979	SampType: MBLK	TestCode: Dry827	TestCode: Dry8270_Soil Units: µg/Kg		Prep Date:	Prep Date: 9/2/2006	ď	RunNo: 20167	29	
Client ID: PBS	Batch ID: 11979	TestNo: SW8270D	0D SW3550A		Analysis Date: 9/5/2006	9/5/2006	Š	SeqNo: 245202	202	
Analyte	Result	PQL SPK valu	SPK value SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	f Val	%RPD	%RPD RPDLimit Qual	Qual
Nitrobenzene	Ω	120								
N-Nitrosodimethylamine	n	120								
N-Nitrosodi-n-propylamine	n	120								
N-Nitrosodiphenylamine	Π	120								
Pentachlorophenol	Π	120								
Phenanthrene	D	120								
Phenol	D	120								
Pyrene	Π	120								
Pyridine	n	120								

Sample ID: LCS-11979	SampType: LCS	TestCoc	le: Dry8270_Sc	TestCode: Dry8270_Soil Units: µg/Kg		Prep Date:	9/2/2006	Rui	RunNo: 20167	57	
Client ID: LCSS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date: 9/5/2006	9/5/2006	Sec	SeqNo: 245203	203	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	ighLimit RPD Ref Val	Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2200	120	3999	0	54.9	23	122				
1,4-Dichlorobenzene	2400	120	3999	0	0.09	22	124				
2,4-Dinitrotoluene	1500	120	3999	0	38.3	21	119				
2-Chlorophenol	2100	120	3999	0	53.6	23	125				
4-Chloro-3-methylphenol	1900	120	3999	0	46.6	28	121				
4-Nitrophenol	630	120	3999	0	15.7	15	115				
Acenaphthene	2300	120	3999	0	58.0	24	124				
N-Nitrosodi-n-propylamine	3200	120	3999	0	79.5	25	127				
Pentachlorophenoi	280	120	3999	0	14.5	14	112				
Phenol	1700	120	3999	0	42.2	19	125				
Pyrene	2400	120	3999	0	60.5	31	125				
Sample ID: MB-11979	SampType: MBLK	TestCo	le: Dry8270_Sc	TestCode: Dry8270_Soil Units: µg/Kg		Prep Date: 9/2/2006	9/2/2006	Rul	RunNo: 20194	94	
Client ID: PBS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date: 9/5/2006	9/5/2006	Sec	SeqNo: 245629	629	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ח	120									

Sample ID: MB-11979	11979	SampType: MBLK	TestCode: Dr	y8270_S	TestCode: Dry8270_Soil Units: µg/Kg		Prep Da	Prep Date: 9/2/2006	90	RunNo: 20194	194	
Client ID: PBS		Batch ID: 11979	TestNo: SW8270D	W8270D	SW3550A		Analysis Date: 9/5/2006	te: 9/5/20(90	SeqNo: 245629	5629	
Analyte		Result	PQL SPI	< value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qual
1,2,4-Trichlorobenzene	nzene	ח	120									
Qualifiers: N	E Value abo D Not Detec	E Value above quantitation range ND Not Detected at the Reporting Limit	H	Holding RPD ou	Holding times for preparation or analysis exceeded RPD outside accepted recovery limits	n or analysis ry limits	s exceeded	r s	Analyte detected below quantitation li Spike Recovery outside accepted reco	elow quantitation	on li reco	

U Indicates the compound was analyzed for but not detecte

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0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

TestNo: SW8270D

Sample ID: MB-11979	SampType: MBLK	TestCode:	TestCode: Dry8270_Soil U	Units: µg/Kg	Prep Date: 9/	9/2/2006	RunNo: 20194	
Client ID: PBS	Batch ID: 11979	TestNo:	TestNo: SW8270D SN	SW3550A	Analysis Date: 9/	9/5/2006	SeqNo: 245629	
Analyte	Result	POLS	SPK value SPK F	SPK Ref Val %REC	LowLimit HighLimit	imit RPD Ref Val	%RPD RPD	RPDLimit Qual
1,2-Dichlorobenzene	ח	120						
1,3-Dichlorobenzene	ח	120						
1,4-Dichlorobenzene	ס	120						
2,4,5-Trichlorophenol	n	120						
2,4,6-Trichlorophenol	n	120						
2,4-Dichlorophenol	ס	120					•	
2,4-Dimethylphenol	ס	120						
2,4-Dinitrophenol	D	120						
2,4-Dinitrotoluene	ס	120						
2,6-Dinitrotoluene	ס	120						
2-Chloronaphthalene	ס	120						
2-Chlorophenol	ס	120						
2-Methylnaphthalene	ח	120						
2-Methylphenol	כ	120						
2-Nitroaniline	כ	120						
2-Nitrophenol	כ	120						
3,3'-Dichlorobenzidine	ס	120						
3+4-Methylphenol	כ	120						
3-Nitroaniline	כ	120						
4,6-Dinitro-2-methylphenol	U lor	120						
4-Bromophenyl phenyl ether	ther	120						
4-Chloro-3-methylphenol	D =	120						
4-Chloroaniline	כ	120						
4-Chlorophenyl phenyl ether	ther	120						
4-Nitroaniline	ס	120						
4-Nitrophenol	ס	120						
Acenaphthene	ס	120						
Acenaphthylene	D	120						
Aniline	ם	120						
Anthracene	ם	120						
Azobenzene	D	120						
Qualifiers: E Val	Value above quantitation range		H Holding times	Holding times for preparation or analysis exceeded		J Analyte detected below quantitation li	low quantitation li	
ND Not	Not Detected at the Reporting Limit		R RPD outside a	RPD outside accepted recovery limits		S Spike Recovery outside accented reco	side accented reco	

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0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing

Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

								'		
Sample ID: MB-11979	62	SampType: MBLK	TestCode	TestCode: Dry8270_Soil	Soil Units: µg/Kg	Prep Date: 9/	9/2/2006	ď	RunNo: 20194	
Client ID: PBS		Batch ID: 11979	TestNo	TestNo: SW8270D	SW3550A	Analysis Date: 9/	9/5/2006	S	SeqNo: 245629	
Analyte		Result	PQL	SPK value	SPK Ref Val	EC LowLimit HighLimit		RPD Ref Val	%RPD RPDLimit	imit Qual
Benzidine		ם	120							
Benzo(a)anthracene		n	120							
Benzo(a)pyrene		n	120							
Benzo(b)fluoranthene	9.	n	120							
Benzo(g,h,i)perylene	ø.	⊃	120							
Benzo(k)fluoranthene	e	n	120							
Benzoic acid		ח	120							
Benzył alcohol		n	120							
Bis(2-chloroethoxy)methane	nethane	n	120							
Bis(2-chloroethyl)ether	her	n	120							
Bis(2-chloroisopropyl)ether	yl)ether	n	120							
Bis(2-ethylhexyl)phthalate	halate	ח	120							
Butyl benzyl phthalate	ate	D	120							
Carbazole		n	120							
Chrysene		Π	120							
Dibenzo(a,h)anthracene	cene	Π	120							
Dibenzofuran		Π	120							
Diethyl phthalate		D	120							
Dimethy! phthalate		D	120							
Di-n-butyl phthalate		Π	120							
Di-n-octył phthalate		D	120							
Fluoranthene		n	120							
Fluorene		n	120							
Hexachlorobenzene	ď)	n	120							
Hexachlorobutadiene	e.	n	120							
Hexachlorocyclopentadiene	ntadiene	n	120							
Hexachloroethane		Π	120							
Indeno(1,2,3-c,d)pyrene	rene	D	120							
Isophorone		n	120							
Naphthalene		Π	120							
Nitrobenzene		n	120							
Oualifiers: E	Value above	Value above quantitation range		Hold H	Holding times for preparation or analysis exceeded	nalysis exceeded		e detected belo	Analyte detected below quantitation li	
QN.		Not Detected at the Reporting Limit		R RPD	RPD outside accepted recovery limits	nits	S Spike I	Recovery outsi	Spike Recovery outside accepted reco	Dane O of 17
Ω	Indicates the	Indicates the compound was analyzed for but not detecte	r but not detecte							1 ago / 01 17

0608317 Work Order: PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

Sample ID: MB-11979	SampType: MBLK	TestCod	e: Dry8270_S	te: Dry8270_Soil Units: µg/Кg		Prep Da	Prep Date: 9/2/2006	10	RunNo: 20194	94	
Client ID: PBS	Batch ID: 11979	Testh	TestNo: SW8270D	SW3550A		Analysis Date:	te: 9/5/2006	"	SeqNo: 245629	629	
Analyte	Result	PQL	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qual
N-Nitrosodimethylamine	n	120									
N-Nitrosodi-n-propylamine	ח	120									
N-Nitrosodiphenylamine	ח	120									
Pentachiorophenol	כ	120									
Phenanthrene	n	120									
Phenol	n	120									
Pyrene	n	120									
Pyridine	ח	120									

Sample ID: LCS-11979	SampType: LCS	TestCoo	e: Dry8270_S	TestCode: Dry8270_Soil Units: µg/Kg		Prep Dat	Prep Date: 9/2/2006		RunNo: 20194	94	
Client ID: LCSS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Dat	Analysis Date: 9/5/2006		SeqNo: 245631	631	
Analyte	Result	PQL	SPK value	SPK value SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	PD Ref Val	%RPD	%RPD RPDLimit	Qual
1,2,4-Trichlorobenzene	2200	120	3999	0	54.9	23	122				
1,4-Dichlorobenzene	2400	120	3999	0	0.09	22	124				
2,4-Dinitrotoluene	1500	120	3999	0	38.3	21	119				
2-Chlorophenol	2100	120	3999	0	53.6	23	125				
4-Chloro-3-methylphenol	1900	120	3999	0	46.6	28	121				
4-Nitrophenol	630	120	3999	0	15.7	15	115				
Acenaphthene	2300	120	3999	0	58.0	24	124				
N-Nitrosodi-n-propylamine	3200	120	3999	0	79.5	25	127				
Pentachlorophenol	580	120	3999	0	14.5	14	112				
Phenol	1700	120	3999	0	42.2	19	125				
Pyrene	2400	120	3999	0	60.5	31	125				

Sample ID: 06	Sample ID: 0608317-10A-MS	SampType: MS	TestCoc	de: Dry8270_S	TestCode: Dry8270_Soil Units: µg/Kg-dry	dry	Prep Date:	9/2/2006		RunNo: 20194		_
Client ID: SB-8 [13'-15']	3-8 [13'-15"]	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006		SeqNo: 245641	τ-	
Analyte		Result	PQL	SPK value	SPK value SPK Ref Val	%REC	%REC LowLimit HighLimit RPD Ref Val	HighLimit F	Ref Val	%RPD RPDLimit	PDLimit	Qual
1.2.4-Trichlorobenzene	benzene	3200	150	4902	0	9:59	23	122				
1,4-Dichlorobenzene	inzene	3500	150	4902	0	71.8	22	124				
Qualifiers:	E Value above	Value above quantitation range		H Holdin	Holding times for preparation or analysis exceeded	on or analysis	exceeded	J Ar	nalyte detected be	Analyte detected below quantitation li		
,	ND Not Detecte	Not Detected at the Reporting Limit		R RPD o	RPD outside accepted recovery limits	ery limits		S Sp	ike Recovery ou	Spike Recovery outside accepted reco		Dage 10 of 14
	11 Indicates the	Indicates the compound was analyzed for but not detecte	t not detecte								450	10 01

U Indicates the compound was analyzed for but not detecte

0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

Sample ID: 0608317-10A-MS	SampType: MS	TestCod	TestCode: Dry8270_Soil	oil Units: µg/Kg-dry		Prep Date:	9/2/2006	RunNo: 20194	
Client ID: SB-8 [13'-15']	Batch ID: 11979	TestN	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006	SeqNo: 245641	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLimit RPD Ref Val	%RPD RPD	RPDLimit Qual
2,4-Dinitrotoluene	2200	150	4902	0	45.5	21	119		
2-Chlorophenol	3300	150	4902	0	67.9	23	125		
4-Chloro-3-methylphenol	2800	150	4902	0	56.6	28	121		
4-Nitrophenol	2000	150	4902	0	41.2	15	115		
Acenaphthene	3200	150	4902	0	64.9	24	124		
N-Nitrosodi-n-propylamine	4400	150	4902	0	90.0	25	127		
Pentachlorophenol	1600	150	4902	0	33.3	4	112		
Phenol	3100	150	4902	0	63.7	19	125		
Pyrene	3300	150	4905	0	0.89	31	125		
Sample ID: 0608317-10A-MSD	SampType: MSD	TestCoc	TestCode: Dry8270_Soil	oil Units: µg/Kg-dry	اح	Prep Date:	9/2/2006	RunNo: 20194	
Client ID: SB-8 [13'-15']	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006	SeqNo: 245642	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD RPD	RPDLimit Qual
1,2,4-Trichlorobenzene	2700	150	4902	0	56.0	23	122		
1,4-Dichlorobenzene	2800	150	4902	0	57.6	22	124		
2,4-Dinitrotoluene	1900	150	4902	0	39.7	21	119		
2-Chlorophenol	2700	150	4902	0	54.5	23	125		
4-Chloro-3-methylphenol	2400	150	4902	0	49.1	28	121		
4-Nitrophenol	1300	150	4902	0	27.4	15	115		
Acenaphthene	2700	150	4902	0	54.2	24	124		
N-Nitrosodi-n-propylamine	3600	150	4902	0	73.2	25	127		
Pentachlorophenol	1400	150	4902	0	28.9	4	112		
Phenol	2100	150	4902	0	42.8	19	125		
Pyrene	2900	150	4902	0	29.8	31	125		
Sample ID: MB-11979	SampType: MBLK	TestCoc	TestCode: Dry8270stars	irs Units: µg/Kg		Prep Date:	9/2/2006	RunNo: 20194	
Client ID: PBS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006	SeqNo: 245625	
Analyte	Result	PQL	SPK·value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD RPD	RPDLimit Qual
Acenaphthene	Ŋ	120							
Qualifiers: E Value above ND Not Detected U Indicates the	Value above quantitation range Not Detected at the Reporting Limit Indicates the compound was analyzed for but not detecte	ut not detecte	H Holding R RPD ov	Holding times for preparation or analysis exceeded RPD outside accepted recovery limits	or analys ry limits	is exceeded	J Analyte detected b S Spike Recovery ou	Analyte detected below quantitation li Spike Recovery outside accepted reco	Page 11 of 14

PEN-1 Shore Rd., Glenwood Landing 0608317 Work Order: Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

Sample 10: MD 11070	SampTyne: MRI K	TestCode: Dry8270stars	linits: ua/Ka		Dran Date: 0/	9000/0/0	Dunkle: 20404	
							107 . Collins	
Client ID: PBS	Batch ID: 11979	TestNo: SW8270D	SW3550A	Ana	Analysis Date: 9/	9/5/2006	SeqNo: 245625	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC Lo	LowLimit HighLimit	imit RPD Ref Val	%RPD RPDLimit	imit Qual
Anthracene	D	120						
Benzo(a)anthracene	O	120						
Benzo(a)pyrene	D	120						
Benzo(b)fluoranthene	Π	120						
Benzo(g,h,i)perylene	Π	120						
Benzo(k)fluoranthene	n	120						
Chrysene	Π	120						
Dibenzo(a,h)anthracene	Π	120						
Fluoranthene	⊃	120						
Fluorene	Π	120						
Indeno(1,2,3-c,d)pyrene	Π	120						
Phenanthrene	Π	120						
Pyrene	ח	120						
Sample ID: LCS-11979	SampType: LCS	TestCode: Dry8270stars	rs Units: µg/Kg		Prep Date: 9/	9/2/2006	RunNo: 20194	
Client ID: LCSS	Batch (D: 11979	TestNo: SW8270D	SW3550A	Ana	Analysis Date: 9	9/5/2006	SeqNo: 245626	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC Lo	LowLimit High	HighLimit RPD Ref Val	%RPD RPDLimit	imit Qual
Acenaphthene	2300	120 3999	0	58.0	24	124		
Pyrene	2400	120 3999	0	60.5	31	125		
Sample ID: MB-11979	SampType: MBLK	TestCode: TAGM8270Dr	Or Units: µg/Kg		Prep Date: 9	9/2/2006	RunNo: 20194	
Client ID: PBS	Batch ID: 11979	TestNo: SW8270D	SW3550A	Ana	Analysis Date: 9	9/5/2006	SeqNo: 245643	_
Analyte	Result	PQL SPK value	SPK Ref Val	%REC Lo	LowLimit High	HighLimit RPD Ref Val	%RPD RPDLimit	imit Qual
2,4,5-Trichlorophenol	n	120						
2,4-Dichlorophenol	Π	120						
2,4-Dinitrophenol	Π	120						
2,6-Dinitrotoluene	Π	120						
2-Chlorophenol	Π	120						
2-Methylnaphthalene	n	120						
Qualifiers: E Value abov	Value above quantitation range Not Detected at the Renorting Limit	Holding R RPD ou	Holding times for preparation or analysis exceeded RPD outside accepted recovery limits	or analysis ex-	pepee	J Analyte detected be Spike Recovery ou	Analyte detected below quantitation li Spike Recovery outside accepted reco	
	Indicates the compound was analyzed for but not detecte						•	Page 12 of 14

0608317 Work Order:

PEN-1 Shore Rd., Glenwood Landing Project:

ANALYTICAL QC SUMMARY REPORT

SW8270D TestNo:

Sample ID: MB-11979	SampType: MBLK TestCode	TAGM827	TestCode: TAGM8270Dr Units: µg/Kg	Prep Date: 9/2/2006	901	RunNo: 20194	
Client ID: PBS	Batch ID: 11979 TestNo	TestNo: SW8270D	SW3550A	Analysis Date: 9/5/2006	906	SeqNo: 245643	
Analyte	Result PQL	SPK value	SPK Ref Val	C LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	mit Qual
2-Methylphenol	U 120						
2-Nitroaniline	U 120						
2-Nitrophenol	U 120						
3,3'-Dichlorobenzidine	U 120						
3+4-Methylphenol	U 120						
3-Nitroaniline	U 120						
4-Chloro-3-methylphenol	U 120						
4-Chloroaniline	U 120						
4-Nitrophenol	U 120						
Acenaphthene	U 120						
Acenaphthylene	U 120						
Aniline	U 120						
Anthracene	U 120						
Benzo(a)anthracene	U 120						
Benzo(a)pyrene	U 120						
Benzo(b)fluoranthene	U 120						
Benzo(g,h,i)perylene	U 120						
Benzo(k)fluoranthene	U 120						
Benzoic acid	U 120						
Bis(2-ethylhexyl)phthalate							
Butyl benzyl phthalate							
Chrysene							
Dibenzo(a,h)anthracene							
Dibenzofuran	U 120						
Diethyl phthalate							
Dimethyl phthalate							
Di-n-butyl phthalate							
Di-n-octyl phthalate	U 120						
Fluoranthene	U 120						
Fluorene							
Hexachlorobenzene	U 120						
Oualifiers: E Value	Value above quantitation range		Holding times for preparation or analysis exceeded		Analyte detected b	Analyte detected below quantitation li	
ND	Not Detected at the Reporting Limit	R RPI	RPD outside accepted recovery limits	ts S	Spike Recovery ou	Spike Recovery outside accepted reco	Page 13 of 14
U Indica	Indicates the compound was analyzed for but not detecte						,

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P.W. Grosser Consulting CLIENT:

0608317 Work Order:

Project:

PEN-1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT SW8270D TestNo:

Sample ID: MB-11979	SampType: MBLK	TestCo	de: TAGM8270D	TestCode: TAGM8270Dr Units: µg/Kg		Prep Date:	9/2/2006	RunNo: 20194	
Client ID: PBS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006	SeqNo: 245643	
Analyte	Result	Pal	SPK value S	SPK Ref Val	%REC	LowLimit	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Indeno(1,2,3-c,d)pyrene	ס	120							
Isophorone	J	120							
Naphthalene)	120							
Nitrobenzene	¬	120							
Pentachlorophenol)	120							
Phenanthrene	J	120							
Phenoi	J	120							
Pyrene	n	120							
Sample ID: LCS-11979	SampType: LCS	TestCo	de: TAGM8270D	TestCode: TAGM8270Dr Units: µg/Kg		Prep Date:	9/2/2006	RunNo: 20194	
Client ID: LCSS	Batch ID: 11979	Test	TestNo: SW8270D	SW3550A		Analysis Date:	9/5/2006	SeqNo: 245644	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
2-Chlorophenol	2100	120	3999	0	53.6	23	125		
4-Chloro-3-methylphenol	1900	120	3999	0	46.6	28	121		
4-Nitrophenol	630	120	3999	0	15.7	15	115		
Acenaphthene	2300	120	3999	0	58.0	24	124		
Pentachlorophenol	280	120	3999	0	14.5	14	112		
Phenol	1700	120	3999	0	42.2	19	125		
Pyrene	2400	120	3999	0	60.5	31	125		

Qualifiers:	ш	Value above quantitation range	Н	Holding times for p
	ΩN	ND Not Detected at the Reporting Limit	×	RPD outside accept
	D	Indicates the compound was analyzed for but not detecte		

preparation or analysis exceeded RPD outside accepted recovery limits

Analyte detected below quantitation li Spike Recovery outside accepted reco - s

CLIENT:

P.W. Grosser Consulting

Work Order:

0608317

Project:

PEN-1 Shore Rd., Glenwood Landi

Test No:

SW8260B

Matrix: S

Date: 08-Sep-06

QC SUMMARY REPORT SURROGATE RECOVERIES

VOLATILE SW-846 METHOD 8260

				VOLATILE SW-040 METHOD 0200
Sample ID	BR4FBZ	BZMED8	DBFM	
0608317-01A	95.2	94.7	107	
0608317-02A	90.0	98.0	105	
0608317-03A	83.9	92.5	113	
0608317-04A	95.4	95.2	105	
0608317-05A	81.1	94.7	113	
0608317-06A	94.8	93.7	104	
0608317-07A	112	92.2	107	
0608317-08A	97.0	95.5	104	
0608317-09A	95.8	96.7	103	
0608317-10A	92.4	96.9	111	
0608317-10AMS	86.3	98.9	97.8	
0608317-10AMSD	76.0	98.2	81.3	
0608317-11A	104	86.9	114	
0608317-12A	106	90.3	111	
LCSS083106H	92.2	95.2	106	
VBLKS083106H	92.1	92.9	109	

Acronym		Surrogate	QC Limits
BR4FBZ	=	Surr: 4-Bromofluorobenzene	61-123
BZMED8	=	Surr: Toluene-d8	63-121
DBFM	=	Surr: Dibromofluoromethane	68-142

* Surrogate recovery outside acceptance limits

Date: 08-Sep-06

CLIENT:

P.W. Grosser Consulting

Work Order:

0608317

Project:

PEN-1 Shore Rd., Glenwood Landi

Test No:

SW8270D

Matrix: S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6	
0608317-10A	66.5	53.2	41.9	67.1	65.6	54.0	
0608317-10A-MS	72.3	63.0	57.6	75.5	71.5	66.1	
0608317-10A-MSD	62.0	53.1	34.3	61.8	63.6	44.9	
LCS-11979	62.7	36.5	31.2	65.8	61.4	43.6	
MB-11979	63.9	42.0	33.3	62.6	59.9	44.1	

Acronym		Surrogate	QC Limits
NO2BZD5	=	Surr: Nitrobenzene-d5	21-118
PH246BR	=	Surr: 2,4,6-Tribromophenol	22-124
PH2F	=	Surr: 2-Fluorophenol	21-123
PHEN2F	=	Surr: 2-Fluorobiphenyl	27-119
PHEND14	=	Surr: 4-Terphenyl-d14	28-126
PHENOLD6	=	Surr: Phenol-d6	18-129