

11/02/2001 FRI 09:32 FAX PANYNJ-CHEM LAB

014/025

OCT-29-2001 MON 04:10 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 439 1458

P. 03

CT #: PH-0671
MA #: NJ386
NJ #: 14622

NY #: 11408
PA #: GS-463

Report Of Analysis

veritech laboratories

To: PORT AUTHORITY OF NY & NJ
MATERIALS ENGINEERING DIV.
241 ERIE ST.
ROOM 234
JERSEY CITY NJ 07310-1127

Attention: Dorian Bailey
Project: PATH-Exchange Place

Date Collected: 10/24/01
Date Submitted: 10/24/01
Date Reported: 10/28/01

Lab #	Sample ID	Test Group	Analyte	Units	MDL/PQL/RL	Result
AB45124	001-001 (Exchange Place)					
		Cyanide (water) EPA 335.2				
		Cyanide	mg/l	0.01		0.014
		Mercury (water) 245.1				
		Mercury	ug/L	0.18		ND
		Oil & Grease				
		Oil & Grease	mg/l	1.1		9.9

ND = Not Detected

Veritech Report Of Analysis
175 Route 46 West, Unit D, Fairfield, NJ 07004

Veritech Project: 10241734

DRAFT Page 1 of 6

CONFIDENTIAL,

CITY_21MC100_002728910

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

11/02/2001 FRI 09:32 FAX PANYNJ-CHEM LAB

015/025

OCT-29-2001 MON 04:11 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 439 1458

P. 04

Lab #	AB45121	Sample ID	100470 (EAD) (EAD) (EAD)	
Test Group	Analyte	Units	MDL/PQL/RL	Result
Semi-volatile Organics + 25 (626)				
TICS	1-Bromo-3-methylthiobenzene	ug/L	8.69	58J
	2H-Azepin-2-one, hexahydro-	ug/L	7	74J
	Benzene, (1-methylindanyl)-	ug/L	10.46	51J
	Benzoic acid	ug/L	6.49	110J
	Hexanoic acid, 2-ethyl-	ug/L	6.22	53J
	Octacosane	ug/L	9.45	73J
	Pentacosane, 2,6,10,14-tetramethyl-	ug/L	8.96	71J
	Phenol, 3-(1-methylbutyl)-	ug/L	6.8	120J
	Phenol, 4,4'-(1-methyl-1-phenylene)bis-	ug/L	11.21	73J
	unknown	ug/L	8.47	37J
	unknown	ug/L	8.32	55J
	unknown	ug/L	7.22	180J
	unknown	ug/L	13.88	41J
	unknown	ug/L	9.25	31J
	unknown	ug/L	11.96	59J
SURR.	2,4,6-Tribromophenol	ug/L		116
	2-Fluorobiphenyl	ug/L		114
	2-Fluorophenol	ug/L		69
	Nitrobenzene-d5	ug/L		108
	Phenol-d5	ug/L		48
	Terphenyl-d14	ug/L		106
	1,2,4-Trichlorobenzene	ug/L	4.4	ND
	1,2-Dichlorobenzene	ug/L	4.2	ND
	1,2-Diphenylhydrazine	ug/L	1.0	ND
	1,3-Dichlorobenzene	ug/L	3.7	ND
	1,4-Dichlorobenzene	ug/L	4.6	ND
	2,4,5-Trichlorophenol	ug/L	24	ND
	2,4,6-Trichlorophenol	ug/L	19	ND
	2,4-Dichlorophenol	ug/L	33	ND
	2,4-Dimethylphenol	ug/L	30	39
	2,4-Dinitrophenol	ug/L	29	ND
	2,4-Dinitrotoluene	ug/L	1.9	ND
	2,6-Dinitrotoluene	ug/L	2.0	NO
	2-Chloronaphthalene	ug/L	2.7	ND
	2-Chlorophenol	ug/L	29	ND
	2-Methylnaphthalene	ug/L	27	ND
	2-Methylphenol	ug/L	29	67
	2-Nitroaniline	ug/L	12	ND
	2-Nitrophenol	ug/L	21	ND
	3,4-Methylphenol	ug/L	21	96
	3,3'-Dichlorobenzidine	ug/L	16	ND
	3-Nitroaniline	ug/L	28	ND
	4,6-Dinitro-2-methylphenol	ug/L	27	ND
	4-Bromophenyl-phenyl ether	ug/L	3.8	ND
	4-Chloro-3-methylphenol	ug/L	33	ND

ND = Not Detected

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175 Route 46 West, Unit D, Fairfield, NJ 07004

Veritech Project: 10241734

DRAFT Page 2 of 6

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CITY_21MC100_002728911

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11/02/2001 FRI 09:33 FAX PANYNJ-CHEM LAB

016/025

OCT-29-2001 MON 04:11 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 439 1458

P. 05

TestGroup	Analyte	Units	MDL/PQL/RL	Result
	4-Chloroaniline	ug/L	24	ND
	4-Chlorophenyl-phenyl ether	ug/L	2.5	ND
	4-Nitroaniline	ug/L	17	ND
	4-Nitrophenol	ug/L	10	ND
	Acenaphthene	ug/L	1.8	ND
	Acenaphthylene	ug/L	1.7	ND
	Anthracene	ug/L	2.0	ND
	Benzidine	ug/L	20	ND
	Benzo[a]anthracene	ug/L	1.9	ND
	Benzo[a]pyrene	ug/L	1.6	ND
	Benzo[b]fluoranthene	ug/L	2.5	ND
	Benzo[g,h,i]perylene	ug/L	2.2	ND
	Benzo[k]fluoranthene	ug/L	1.8	ND
	Bis(2-Chloroethoxy)methane	ug/L	4.1	ND
	Bis(2-Chloroethyl)Ether	ug/L	3.7	ND
	Bis(2-Chloroisopropyl)ether	ug/L	2.4	ND
	Bis(2-Ethylhexyl)phthalate	ug/L	3.9	ND
	Butylbenzylphthalate	ug/L	2.0	ND
	Carbazole	ug/L	1.7	9.4
	Chrysene	ug/L	1.2	ND
	Dibenzo[a,h]Anthracene	ug/L	2.0	ND
	Dibenzofuran	ug/L	7.9	ND
	Diethylphthalate	ug/L	5.4	ND
	Dimethylphthalate	ug/L	1.2	ND
	Di-n-butylphthalate	ug/L	2.0	5.0
	Di-n-octylphthalate	ug/L	2.2	ND
	Fluoranthene	ug/L	1.9	ND
	Fluorene	ug/L	1.9	ND
	Hexachlorobenzene	ug/L	2.7	ND
	Hexachlorobutadiene	ug/L	4.7	ND
	Hexachlorocyclopentadiene	ug/L	31	ND
	Hexachloroethane	ug/L	5.2	ND
	Indeno[1,2,3-cd]pyrene	ug/L	1.9	ND
	Isophorone	ug/L	2.0	ND
	Naphthalene	ug/L	3.7	ND
	Nitrobenzene	ug/L	2.3	ND
	N-Nitrosodimethylamine	ug/L	2.6	ND
	N-Nitroso-Di-N-Propylamine	ug/L	3.1	ND
	N-Nitrosodiphenylamine	ug/L	2.9	ND
	Pentachlorophenol	ug/L	19	ND
	Phenanthrene	ug/L	1.8	7.5
	Phenol	ug/L	8.7	330
	Pyrene	ug/L	1.3	ND

ND = Not Detected

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175 Route 46 West, Unit D, Fairfield, NJ 07004

Veritech Project: 10241734

DRAFT Page 3 of 6

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CITY_21MC100_002728912

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

11/02/2001 FRI 09:33 FAX PANYNJ-CHEM LAB

017/025

OCT-29-2001 MON 04:12 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 439 1458

P. 06

LAB 12B45124 - Hampton Clarke Exchange Station				
TestGroup	Analyte	Units	MDL/PQL/RL	Result
YAL Metals (Water) 200.7				
	Aluminum	ug/L	100	ND
	Antimony	ug/L	7.5	ND
	Arsenic	ug/L	4	ND
	Barium	ug/L	25	28
	Beryllium	ug/L	10	ND
	Cadmium	ug/L	2	ND
	Calcium	ug/L	5000	410000
	Chromium	ug/L	25	ND
	Cobalt	ug/L	10	ND
	Copper	ug/L	25	ND
	Iron	ug/L	150	280
	Lead	ug/L	5	ND
	Magnesium	ug/L	1000	40000
	Manganese	ug/L	25	38
	Nickel	ug/L	25	ND
	Potassium	ug/L	50000	180000
	Selenium	ug/L	25	ND
	Silver	ug/L	10	ND
	Sodium	ug/L	100000	2700000
	Thallium	ug/L	5	ND
	Vanadium	ug/L	25	ND
	Zinc	ug/L	25	100

ND = Not Detected

Veritech Report Of Analysis
176 Route 46 West, Unit D, Fairfield, NJ 07004

Veritech Project: 10241734

DRAFT Page 4 of 6

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

11/02/2001 FRI 09:33 FAX PANYNJ-CHEM LAB

018/025

OCT-28-2001 MON 04:12 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 438 1458

P. 07

Lab#	AE 15124	Sample ID	DATE/TIME (24 hr time, full date)		
Test Group	Analyte	Units	MDL/PQL/RL	Result	
Volatile Organics + 18 (624)					
Tics	:1-Hexanol, 2-ethyl-	ug/L	12.2	24J	
	:2-Pentanone, 4-methyl-	ug/L	8.98	4.2J	
	:Butane, 2-methoxy-2-methyl-	ug/L	7.39	8.1J	
	:Furan, tetrahydro-	ug/L	8.57	14J	
	:Methanethiol	ug/L	2.43	3.3J	
	:Naphthalene	ug/L	13.79	6.3J	
	:Naphthalene, 1-methyl-	ug/L	14.83	5.1J	
	:Naphthalene, 2-methyl-	ug/L	14.67	3.6J	
	:unknown	ug/L	7.88	3.1J	
	:unknown	ug/L	4.07	6.2J	
SDRR-	:1,2-Dichloroethane-d4	ug/L		97	
	:Bromofluorobenzene	ug/L		104	
	:Toluene-d8	ug/L		107	
	1,1,1-Trichloroethane	ug/L	0.78	ND	
	1,1,2,2-Tetrachloroethane	ug/L	0.71	ND	
	1,1,2-Trichloroethane	ug/L	0.73	ND	
	1,1-Dichloroethane	ug/L	0.72	ND	
	1,1-Dichloroethene	ug/L	0.84	ND	
	1,2-Dichloroethane	ug/L	0.62	ND	
	1,2-Dichloropropane	ug/L	0.80	ND	
	2-Butanone	ug/L	1.3	52	
	2-Chloroethylvinylether	ug/L	0.72	ND	
	2-Hexanone	ug/L	0.18	ND	
	4-Methyl-2-Pentanone	ug/L	0.59	ND	
	Acetone	ug/L	6.5	310	
	Acrolein	ug/L	4.1	ND	
	Acrylonitrile	ug/L	3.6	ND	
	Benzene	ug/L	0.53	2.4	
	Bromodichloromethane	ug/L	0.59	ND	
	Bromoform	ug/L	1.1	ND	
	Bromomethane	ug/L	0.79	ND	
	Carbon disulfide	ug/L	0.89	2.5	
	Carbon tetrachloride	ug/L	0.67	ND	
	Chlorobenzene	ug/L	0.76	ND	
	Chlorodifluoromethane	ug/L	1.0	150	
	Chloroethane	ug/L	0.94	ND	
	Chloroform	ug/L	0.46	ND	
	Chloromethane	ug/L	1.1	ND	
	Cis-1,2-Dichloroethane	ug/L	0.73	ND	
	Cis-1,3-Dichloropropane	ug/L	0.63	ND	
	Dibromochloromethane	ug/L	0.69	ND	
	Ethylbenzene	ug/L	0.45	1.9	
	Mip-Xylenes	ug/L	0.62	7.1	
	Methylene chloride	ug/L	1.6	9.0	
	Methyl-t-butyl ether	ug/L	0.51	110	

ND = Not Detected

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175 Route 46 West, Unit D, Fairfield, NJ 07001

Veritech Project: 10241734

DRAFT Page 5 of 6

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

11/02/2001 FRI 09:33 FAX PANYNJ-CHEM LAB

019/025

OCT-29-2001 MON 04:13 PM HAMPTON-CLARKE/VERITECH

FAX NO. 1 973 438 1458

P. 08

Lab: AE45124: [REDACTED]				
Test Group	Analyte	Units	MDL/PQL/RL	Result
	O-Xylene	ug/L	0.48	3.0
	Styrene	ug/L	0.24	1.1
	t-Butyl Alcohol	ug/L	5.7	15
	Tetrachloroethene	ug/L	0.64	ND
	Toluene	ug/L	0.42	13
	Trans-1,2-Dichloroethene	ug/L	0.66	ND
	Trans-1,3-Dichloropropane	ug/L	0.28	ND
	Trichloroethene	ug/L	0.72	2.4
	Vinyl chloride	ug/L	0.95	ND

This report is a true report of results obtained from our tests of this material. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

DRAFT_____
Robin Jetter - Quality Assurance Director

Or

Stanley Gilewicz - Laboratory Director

ND = Not Detected

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Veritech Project: 10241734

Page 6 of 8

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