

Analytical Report for

EA Engineering

Certificate of Analysis No.: 10061114

Project Manager: Pete Lekas

Project Name : Gude

Project Location: Rockville, MD



August 27, 2010

Phase Separation Science, Inc.

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PHASE SEPARATION SCIENCE, INC.



August 27, 2010

Pete Lekas
EA Engineering
15 Loveton Circle
Sparks, MD 21152

Reference: PSS Work Order No: **10061114**
Project Name : Gude
Project Location: Rockville, MD

Dear Pete Lekas :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10061114**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on August 10, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Dan Prucnal
Laboratory Manager



Case Narrative Summary
Client Name: EA Engineering
Project Name: Gude

Project ID: N/A

Work Order Number: 10061114

The following samples were received under chain of custody by Phase Separation Science (PSS) on 06/11/2010 at 04:10 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10061114-001	Gude-SS1-SO-0 to 1	SOIL	06/11/2010 10:10
10061114-002	Gude-SS2-SO-0 to 1	SOIL	06/11/2010 10:17
10061114-003	Gude-SS3-SO-0 to 1	SOIL	06/11/2010 09:45
10061114-004	Gude-SS4-SO-0 to 1	SOIL	06/11/2010 10:30
10061114-005	Gude-SS5-SO-0 to 1	SOIL	06/11/2010 08:30
10061114-006	Gude-SS6-SO-0 to 1	SOIL	06/11/2010 10:42
10061114-007	Gude-SS7-SO-0 to 1	SOIL	06/11/2010 12:40
10061114-008	Gude-SS8-SO-0 to 1	SOIL	06/11/2010 11:00
10061114-009	Gude-SS9-SO-0 to 1	SOIL	06/11/2010 11:12
10061114-010	Gude-SS10-SO-0 to 1	SOIL	06/11/2010 11:20
10061114-011	Gude-SS11-SO-0 to 1	SOIL	06/11/2010 11:55
10061114-012	Gude-SO-DUP-1	SOIL	06/11/2010 12:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Narrative Comments:

Closing CCV has a Hg recovery of 120%, limits 90-110%
Closing CCB has a Hg recovery of 0.14ppb, limit 0.10ppb.
Samples affected are 006-012
Revised Version 1.001 reflects changes to Volatile and Semivolatile reporting compounds.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1	Date/Time Sampled: 06/11/2010 10:10	PSS Sample ID: 10061114-001
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 74

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
gamma-BHC (Lindane)	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
beta-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
delta-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Heptachlor	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Aldrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Heptachlor epoxide	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
gamma-Chlordane	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
alpha-Chlordane	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
4,4-DDE	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endosulfan I	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Dieldrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
4,4-DDD	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endosulfan II	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
4,4-DDT	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endrin aldehyde	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Methoxychlor	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endosulfan sulfate	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Endrin ketone	ND	ug/kg	26		1	13	06/22/10	06/23/10 12:20	1029
Toxaphene	ND	ug/kg	260		1	130	06/22/10	06/23/10 12:20	1029
Chlordane	ND	ug/kg	260		1	130	06/22/10	06/23/10 12:20	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:10	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	270		1	130	06/24/10	06/25/10 17:57	1029
2,4,5-TP (Silvex)	ND	ug/kg	27		1	13	06/24/10	06/25/10 17:57	1029
2,4,5-T	ND	ug/kg	27		1	13	06/24/10	06/25/10 17:57	1029
Dinoseb	ND	ug/kg	130		1	67	06/24/10	06/25/10 17:57	1029

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Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Chloromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Vinyl Chloride	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Bromomethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Chloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Acetone	99	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
Trichlorofluoromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1-Dichloroethene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Methylene chloride	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
trans-1,2-Dichloroethene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1-Dichloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Vinyl acetate	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
2-Butanone (MEK)	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
cis-1,2-Dichloroethene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Bromochloromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Chloroform	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
2,2-Dichloropropane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1,1-Trichloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2-Dichloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1-Dichloropropene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Carbon tetrachloride	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Benzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Dibromomethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2-Dichloropropane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Carbon Disulfide	ND	ug/kg	14		1	6.9	06/14/10	06/14/10 22:08	1035
Trichloroethene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Acrylonitrile	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
Bromodichloromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
cis-1,3-Dichloropropene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1,2-Trichloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Toluene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,3-Dichloropropane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
2-Hexanone (MBK)	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
1,2-Dibromoethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Dibromochloromethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Acrolein	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Bromoform	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Tetrachloroethene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Chlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Ethylbenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
m&p-Xylene	ND	ug/kg	14		1	6.9	06/14/10	06/14/10 22:08	1035
Styrene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
o-Xylene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2,3-Trichloropropane	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,3-Dichlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,4-Dichlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2-Dichlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	55		1	27	06/14/10	06/14/10 22:08	1035
1,2,4-Trichlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Iodomethane	ND	ug/kg	27		1	14	06/14/10	06/14/10 22:08	1035
Naphthalene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
1,2,3-Trichlorobenzene	ND	ug/kg	7		1	3.4	06/14/10	06/14/10 22:08	1035
Butanal, 3-methyl- (TIC)	14	ug/kg	14		1	6.9	06/14/10	06/14/10 22:08	1035
Hexanal (TIC)	69	ug/kg	14		1	6.9	06/14/10	06/14/10 22:08	1035

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 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Acenaphthylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Acetophenone	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Benzo(a)anthracene	150	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Benzo(a)pyrene	120	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Benzo(b)fluoranthene	110	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Benzo(g,h,i)perylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Benzo(k)fluoranthene	120	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Benzyl butyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
bis(2-chloroethoxy) methane	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
bis(2-chloroethyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4-Bromophenylphenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Di-n-butyl phthalate	ND	ug/kg	450		1	220	06/23/10	06/24/10 20:16	1040
4-Chloro-3-methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4-Chloroaniline	ND	ug/kg	450		1	220	06/23/10	06/24/10 20:16	1040
2-Chloronaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2-Chlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Chrysene	150	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Dibenz(a,h)Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Dibenzofuran	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
3,3-Dichlorobenzidine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2,4-Dichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Diethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Dimethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2,4-Dimethylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040

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No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	450		1	220	06/23/10	06/24/10 20:16	1040
2,4-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2,6-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Fluoranthene	260	ug/kg	220	B	1	110	06/23/10	06/24/10 20:16	1040
Fluorene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Hexachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Hexachlorobutadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Hexachlorocyclopentadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Hexachloroethane	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Isophorone	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2-Methylnaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
3&4-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
3-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2-Nitroaniline	ND	ug/kg	450		1	220	06/23/10	06/24/10 20:16	1040
Nitrobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
4-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
N-Nitrosodimethylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
N-Nitrosodiphenylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Di-n-octyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Pentachlorophenol	ND	ug/kg	450		1	220	06/23/10	06/24/10 20:16	1040
Phenanthrene	180	ug/kg	220	J	1	110	06/23/10	06/24/10 20:16	1040
Phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
Pyrene	250	ug/kg	220	B	1	110	06/23/10	06/24/10 20:16	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS1-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:10** **PSS Sample ID: 10061114-001**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 74**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
2,4,5-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:16	1040
unknown (TIC)	690	ug/kg	180		1	110	06/23/10	06/24/10 20:16	1040
Dibenzylidene 4,4'-biphenylenediam (TIC)	670	ug/kg	180		1	110	06/23/10	06/24/10 20:16	1040
unknown (TIC)	750	ug/kg	180		1	110	06/23/10	06/24/10 20:16	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.4		1	1.7	06/23/10	06/23/10 00:00	1022

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Arsenic	2.3	mg/kg	0.6		1	0.3	06/23/10	06/24/10 21:16	1033
Barium	71	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Beryllium	ND	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Cadmium	ND	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Chromium	32	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Cobalt	27	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Copper	39	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Lead	13	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Mercury	ND	mg/kg	0.11		1	0.06	06/23/10	06/25/10 17:49	1033
Nickel	25	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Selenium	ND	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Silver	ND	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Thallium	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:16	1033
Tin	ND	mg/kg	5.7		1	2.8	06/23/10	06/24/10 21:16	1033
Vanadium	63	mg/kg	2.8		1	1.4	06/23/10	06/24/10 21:16	1033
Zinc	86	mg/kg	11		1	5.7	06/23/10	06/24/10 21:16	1033

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
gamma-BHC (Lindane)	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
beta-BHC	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
delta-BHC	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Heptachlor	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Aldrin	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Heptachlor epoxide	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
gamma-Chlordane	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
alpha-Chlordane	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
4,4-DDE	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endosulfan I	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Dieldrin	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endrin	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
4,4-DDD	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endosulfan II	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
4,4-DDT	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endrin aldehyde	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Methoxychlor	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endosulfan sulfate	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Endrin ketone	ND	ug/kg	23		1	12	06/22/10	06/23/10 12:48	1029
Toxaphene	ND	ug/kg	230		1	120	06/22/10	06/23/10 12:48	1029
Chlordane	ND	ug/kg	230		1	120	06/22/10	06/23/10 12:48	1029

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 11:39	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	230		1	110	06/24/10	06/25/10 18:29	1029
2,4,5-TP (Silvex)	ND	ug/kg	23		1	11	06/24/10	06/25/10 18:29	1029
2,4,5-T	ND	ug/kg	23		1	11	06/24/10	06/25/10 18:29	1029
Dinoseb	ND	ug/kg	110		1	57	06/24/10	06/25/10 18:29	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Chloromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Vinyl Chloride	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Bromomethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Chloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Acetone	58	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
Trichlorofluoromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1-Dichloroethene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Methylene chloride	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
trans-1,2-Dichloroethene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1-Dichloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Vinyl acetate	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
2-Butanone (MEK)	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
cis-1,2-Dichloroethene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Bromochloromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Chloroform	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
2,2-Dichloropropane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1,1-Trichloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2-Dichloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1-Dichloropropene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Carbon tetrachloride	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Benzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Dibromomethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2-Dichloropropane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Carbon Disulfide	ND	ug/kg	26		1	13	06/14/10	06/14/10 15:55	1035
Trichloroethene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Acrylonitrile	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
Bromodichloromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
cis-1,3-Dichloropropene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1,2-Trichloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Toluene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,3-Dichloropropane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
2-Hexanone (MBK)	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
1,2-Dibromoethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Dibromochloromethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Acrolein	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Bromoform	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Tetrachloroethene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Chlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Ethylbenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
m&p-Xylene	ND	ug/kg	26		1	13	06/14/10	06/14/10 15:55	1035
Styrene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
o-Xylene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2,3-Trichloropropane	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,3-Dichlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,4-Dichlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2-Dichlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	100		1	52	06/14/10	06/14/10 15:55	1035
1,2,4-Trichlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Iodomethane	ND	ug/kg	52		1	26	06/14/10	06/14/10 15:55	1035
Naphthalene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
1,2,3-Trichlorobenzene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 15:55	1035
Hexanal (TIC)	13	ug/kg	26		1	13	06/14/10	06/14/10 15:55	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Acenaphthylene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Acetophenone	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Anthracene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzo(a)anthracene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzo(a)pyrene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzo(b)fluoranthene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzo(g,h,i)perylene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzo(k)fluoranthene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Benzyl butyl phthalate	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
bis(2-chloroethoxy) methane	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
bis(2-chloroethyl) ether	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4-Bromophenylphenyl ether	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Di-n-butyl phthalate	ND	ug/kg	400		1	200	06/23/10	06/24/10 18:47	1040
4-Chloro-3-methylphenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4-Chloroaniline	ND	ug/kg	400		1	200	06/23/10	06/24/10 18:47	1040
2-Chloronaphthalene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2-Chlorophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Chrysene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Dibenz(a,h)Anthracene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Dibenzofuran	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
3,3-Dichlorobenzidine	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2,4-Dichlorophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Diethyl phthalate	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Dimethyl phthalate	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2,4-Dimethylphenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	400		1	200	06/23/10	06/24/10 18:47	1040
2,4-Dinitrotoluene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2,6-Dinitrotoluene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Fluoranthene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Fluorene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Hexachlorobenzene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Hexachlorobutadiene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Hexachlorocyclopentadiene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Hexachloroethane	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Isophorone	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2-Methylnaphthalene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2-Methylphenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
3&4-Methylphenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4-Nitroaniline	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
3-Nitroaniline	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2-Nitroaniline	ND	ug/kg	400		1	200	06/23/10	06/24/10 18:47	1040
Nitrobenzene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2-Nitrophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
4-Nitrophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
N-Nitrosodimethylamine	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
N-Nitrosodiphenylamine	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Di-n-octyl phthalate	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Pentachlorophenol	ND	ug/kg	400		1	200	06/23/10	06/24/10 18:47	1040
Phenanthrene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Phenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Pyrene	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS2-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:17** **PSS Sample ID: 10061114-002**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 84**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
2,4,5-Trichlorophenol	ND	ug/kg	200		1	99	06/23/10	06/24/10 18:47	1040
Heptacosane (TIC)	230	ug/kg	160		1	99	06/23/10	06/24/10 18:47	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	2.9		1	1.4	06/23/10	06/23/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Arsenic	5.1	mg/kg	0.6		1	0.3	06/23/10	06/24/10 21:23	1033
Barium	78	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Beryllium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Cadmium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Chromium	40	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Cobalt	18	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Copper	31	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Lead	23	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Mercury	ND	mg/kg	0.12		1	0.06	06/23/10	06/25/10 17:55	1033
Nickel	26	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Selenium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Silver	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Thallium	ND	mg/kg	2.3		1	1.2	06/23/10	06/24/10 21:23	1033
Tin	ND	mg/kg	5.8		1	2.9	06/23/10	06/24/10 21:23	1033
Vanadium	49	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:23	1033
Zinc	63	mg/kg	12		1	5.8	06/23/10	06/24/10 21:23	1033

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 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
gamma-BHC (Lindane)	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
beta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
delta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Heptachlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Aldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Heptachlor epoxide	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
gamma-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
alpha-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
4,4-DDE	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endosulfan I	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Dieldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
4,4-DDD	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endosulfan II	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
4,4-DDT	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endrin aldehyde	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Methoxychlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endosulfan sulfate	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Endrin ketone	ND	ug/kg	25		1	13	06/22/10	06/23/10 13:16	1029
Toxaphene	ND	ug/kg	250		1	130	06/22/10	06/23/10 13:16	1029
Chlordane	ND	ug/kg	250		1	130	06/22/10	06/23/10 13:16	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1221	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1232	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1242	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1248	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1254	ND	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029
PCB-1260	1.6	mg/kg	0.6		5	0.3149	06/23/10	06/24/10 16:01	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	250		1	130	06/24/10	06/26/10 00:55	1029
2,4,5-TP (Silvex)	ND	ug/kg	25		1	13	06/24/10	06/26/10 00:55	1029
2,4,5-T	ND	ug/kg	25		1	13	06/24/10	06/26/10 00:55	1029
Dinoseb	ND	ug/kg	130		1	63	06/24/10	06/26/10 00:55	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
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 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Chloromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Vinyl Chloride	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Bromomethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Chloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Acetone	57	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
Trichlorofluoromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1-Dichloroethene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Methylene chloride	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1-Dichloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Vinyl acetate	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
2-Butanone (MEK)	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Bromochloromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Chloroform	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
2,2-Dichloropropane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2-Dichloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1-Dichloropropene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Carbon tetrachloride	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Benzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Dibromomethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2-Dichloropropane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Carbon Disulfide	ND	ug/kg	11		1	5.5	06/14/10	06/14/10 16:24	1035
Trichloroethene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Acrylonitrile	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
Bromodichloromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Toluene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,3-Dichloropropane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
2-Hexanone (MBK)	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
1,2-Dibromoethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Dibromochloromethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Acrolein	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Bromoform	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Tetrachloroethene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Chlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Ethylbenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
m&p-Xylene	ND	ug/kg	11		1	5.5	06/14/10	06/14/10 16:24	1035
Styrene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
o-Xylene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2,3-Trichloropropane	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,3-Dichlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,4-Dichlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2-Dichlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	44		1	22	06/14/10	06/14/10 16:24	1035
1,2,4-Trichlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Iodomethane	ND	ug/kg	22		1	11	06/14/10	06/14/10 16:24	1035
Naphthalene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
1,2,3-Trichlorobenzene	ND	ug/kg	5		1	2.7	06/14/10	06/14/10 16:24	1035
Hexanal (TIC)	23	ug/kg	11		1	5.5	06/14/10	06/14/10 16:24	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Acenaphthylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Acetophenone	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzo(a)anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzo(a)pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzo(b)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzo(g,h,i)perylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzo(k)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Benzyl butyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
bis(2-chloroethoxy) methane	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
bis(2-chloroethyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4-Bromophenylphenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Di-n-butyl phthalate	ND	ug/kg	430		1	220	06/23/10	06/24/10 20:46	1040
4-Chloro-3-methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4-Chloroaniline	ND	ug/kg	430		1	220	06/23/10	06/24/10 20:46	1040
2-Chloronaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2-Chlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Chrysene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Dibenz(a,h)Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Dibenzofuran	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
3,3-Dichlorobenzidine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2,4-Dichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Diethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Dimethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2,4-Dimethylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	430		1	220	06/23/10	06/24/10 20:46	1040
2,4-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2,6-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Fluorene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Hexachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Hexachlorobutadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Hexachlorocyclopentadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Hexachloroethane	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Isophorone	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2-Methylnaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
3&4-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
3-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2-Nitroaniline	ND	ug/kg	430		1	220	06/23/10	06/24/10 20:46	1040
Nitrobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
4-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
N-Nitrosodimethylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
N-Nitrosodiphenylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Di-n-octyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Pentachlorophenol	ND	ug/kg	430		1	220	06/23/10	06/24/10 20:46	1040
Phenanthrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
Pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS3-SO-0 to 1 **Date/Time Sampled: 06/11/2010 09:45** **PSS Sample ID: 10061114-003**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 77**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
2,4,5-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 20:46	1040
unknown (TIC)	320	ug/kg	170		1	110	06/23/10	06/24/10 20:46	1040
unknown (TIC)	270	ug/kg	170		1	110	06/23/10	06/24/10 20:46	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.2		1	1.6	06/23/10	06/23/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Total Metals Analytical Method: SW846 6020 Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Arsenic	5.5	mg/kg	0.6		1	0.3	06/23/10	06/24/10 21:30	1033
Barium	140	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Beryllium	ND	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Cadmium	ND	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Chromium	54	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Cobalt	24	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Copper	42	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Lead	31	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Mercury	0.07	mg/kg	0.12		1	0.06	06/23/10	06/25/10 18:02	1033
Nickel	31	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Selenium	ND	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Silver	ND	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Thallium	ND	mg/kg	2.4		1	1.2	06/23/10	06/24/10 21:30	1033
Tin	ND	mg/kg	5.9		1	2.9	06/23/10	06/24/10 21:30	1033
Vanadium	72	mg/kg	2.9		1	1.5	06/23/10	06/24/10 21:30	1033
Zinc	91	mg/kg	12		1	5.9	06/23/10	06/24/10 21:30	1033

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1	Date/Time Sampled: 06/11/2010 10:30	PSS Sample ID: 10061114-004
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 79

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
gamma-BHC (Lindane)	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
beta-BHC	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
delta-BHC	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Heptachlor	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Aldrin	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Heptachlor epoxide	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
gamma-Chlordane	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
alpha-Chlordane	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
4,4-DDE	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endosulfan I	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Dieldrin	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endrin	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
4,4-DDD	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endosulfan II	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
4,4-DDT	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endrin aldehyde	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Methoxychlor	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endosulfan sulfate	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Endrin ketone	ND	ug/kg	25		1	12	06/22/10	06/23/10 13:44	1029
Toxaphene	ND	ug/kg	250		1	120	06/22/10	06/23/10 13:44	1029
Chlordane	ND	ug/kg	250		1	120	06/22/10	06/23/10 13:44	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 12:37	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	250		1	120	06/24/10	06/25/10 19:01	1029
2,4,5-TP (Silvex)	ND	ug/kg	25		1	12	06/24/10	06/25/10 19:01	1029
2,4,5-T	ND	ug/kg	25		1	12	06/24/10	06/25/10 19:01	1029
Dinoseb	ND	ug/kg	120		1	62	06/24/10	06/25/10 19:01	1029

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No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Chloromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Vinyl Chloride	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Bromomethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Chloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Acetone	76	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
Trichlorofluoromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1-Dichloroethene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Methylene chloride	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
trans-1,2-Dichloroethene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1-Dichloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Vinyl acetate	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
2-Butanone (MEK)	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
cis-1,2-Dichloroethene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Bromochloromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Chloroform	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
2,2-Dichloropropane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1,1-Trichloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2-Dichloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1-Dichloropropene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Carbon tetrachloride	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Benzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Dibromomethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2-Dichloropropane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Carbon Disulfide	ND	ug/kg	15		1	7.6	06/14/10	06/14/10 16:52	1035
Trichloroethene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Acrylonitrile	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
Bromodichloromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
cis-1,3-Dichloropropene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1,2-Trichloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Toluene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,3-Dichloropropane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
2-Hexanone (MBK)	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
1,2-Dibromoethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Dibromochloromethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Acrolein	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Bromoform	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Tetrachloroethene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Chlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Ethylbenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
m&p-Xylene	ND	ug/kg	15		1	7.6	06/14/10	06/14/10 16:52	1035
Styrene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
o-Xylene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2,3-Trichloropropane	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,3-Dichlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,4-Dichlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2-Dichlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	61		1	30	06/14/10	06/14/10 16:52	1035
1,2,4-Trichlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Iodomethane	ND	ug/kg	30		1	15	06/14/10	06/14/10 16:52	1035
Naphthalene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
1,2,3-Trichlorobenzene	ND	ug/kg	8		1	3.8	06/14/10	06/14/10 16:52	1035
Hexanal (TIC)	10	ug/kg	15		1	7.6	06/14/10	06/14/10 16:52	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Acenaphthylene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Acetophenone	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Anthracene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzo(a)anthracene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzo(a)pyrene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzo(b)fluoranthene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzo(g,h,i)perylene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzo(k)fluoranthene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Benzyl butyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
bis(2-chloroethoxy) methane	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
bis(2-chloroethyl) ether	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4-Bromophenylphenyl ether	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Di-n-butyl phthalate	ND	ug/kg	420		1	210	06/23/10	06/25/10 12:12	1040
4-Chloro-3-methylphenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4-Chloroaniline	ND	ug/kg	420		1	210	06/23/10	06/25/10 12:12	1040
2-Chloronaphthalene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2-Chlorophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Chrysene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Dibenz(a,h)Anthracene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Dibenzofuran	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
3,3-Dichlorobenzidine	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2,4-Dichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Diethyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Dimethyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2,4-Dimethylphenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	420		1	210	06/23/10	06/25/10 12:12	1040
2,4-Dinitrotoluene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2,6-Dinitrotoluene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Fluoranthene	120	ug/kg	210	J	1	110	06/23/10	06/25/10 12:12	1040
Fluorene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Hexachlorobenzene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Hexachlorobutadiene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Hexachlorocyclopentadiene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Hexachloroethane	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Isophorone	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2-Methylnaphthalene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2-Methylphenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
3&4-Methylphenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4-Nitroaniline	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
3-Nitroaniline	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2-Nitroaniline	ND	ug/kg	420		1	210	06/23/10	06/25/10 12:12	1040
Nitrobenzene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2-Nitrophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
4-Nitrophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
N-Nitrosodimethylamine	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
N-Nitrosodiphenylamine	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Di-n-octyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Pentachlorophenol	ND	ug/kg	420		1	210	06/23/10	06/25/10 12:12	1040
Phenanthrene	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Phenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
Pyrene	130	ug/kg	210	J	1	110	06/23/10	06/25/10 12:12	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS4-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:30** **PSS Sample ID: 10061114-004**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
2,4,5-Trichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/25/10 12:12	1040
unknown (TIC)	1,100	ug/kg	170		1	110	06/23/10	06/25/10 12:12	1040
unknown (TIC)	1,000	ug/kg	170		1	110	06/23/10	06/25/10 12:12	1040
Dibenzylidene 4,4'-biphenylenediam (TIC)	490	ug/kg	170		1	110	06/23/10	06/25/10 12:12	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.1		1	1.5	06/23/10	06/23/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Arsenic	5.0	mg/kg	0.5		1	0.2	06/23/10	06/24/10 21:36	1033
Barium	89	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Beryllium	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Cadmium	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Chromium	41	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Cobalt	20	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Copper	31	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Lead	23	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Mercury	0.05	mg/kg	0.09		1	0.05	06/23/10	06/25/10 18:08	1033
Nickel	26	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Selenium	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Silver	ND	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Thallium	ND	mg/kg	1.8		1	0.9	06/23/10	06/24/10 21:36	1033
Tin	ND	mg/kg	4.5		1	2.3	06/23/10	06/24/10 21:36	1033
Vanadium	65	mg/kg	2.3		1	1.1	06/23/10	06/24/10 21:36	1033
Zinc	63	mg/kg	9.1		1	4.5	06/23/10	06/24/10 21:36	1033

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
gamma-BHC (Lindane)	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
beta-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
delta-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Heptachlor	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Aldrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Heptachlor epoxide	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
gamma-Chlordane	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
alpha-Chlordane	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
4,4-DDE	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endosulfan I	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Dieldrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
4,4-DDD	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endosulfan II	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
4,4-DDT	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endrin aldehyde	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Methoxychlor	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endosulfan sulfate	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Endrin ketone	ND	ug/kg	22		1	11	06/22/10	06/23/10 13:16	1029
Toxaphene	ND	ug/kg	220		1	110	06/22/10	06/23/10 13:16	1029
Chlordane	ND	ug/kg	220		1	110	06/22/10	06/23/10 13:16	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:05	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	210		1	110	06/24/10	06/26/10 00:23	1029
2,4,5-TP (Silvex)	ND	ug/kg	21		1	11	06/24/10	06/26/10 00:23	1029
2,4,5-T	ND	ug/kg	21		1	11	06/24/10	06/26/10 00:23	1029
Dinoseb	ND	ug/kg	110		1	54	06/24/10	06/26/10 00:23	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Chloromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Vinyl Chloride	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Bromomethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Chloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Acetone	58	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
Trichlorofluoromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1-Dichloroethene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Methylene chloride	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1-Dichloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Vinyl acetate	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
2-Butanone (MEK)	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Bromochloromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Chloroform	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
2,2-Dichloropropane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2-Dichloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1-Dichloropropene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Carbon tetrachloride	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Benzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Dibromomethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2-Dichloropropane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Carbon Disulfide	ND	ug/kg	12		1	5.8	06/14/10	06/14/10 17:21	1035
Trichloroethene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Acrylonitrile	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
Bromodichloromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Toluene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,3-Dichloropropane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
2-Hexanone (MBK)	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
1,2-Dibromoethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Dibromochloromethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Acrolein	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Bromoform	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Tetrachloroethene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Chlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Ethylbenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
m&p-Xylene	ND	ug/kg	12		1	5.8	06/14/10	06/14/10 17:21	1035
Styrene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
o-Xylene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	46		1	23	06/14/10	06/14/10 17:21	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Iodomethane	ND	ug/kg	23		1	12	06/14/10	06/14/10 17:21	1035
Naphthalene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	2.9	06/14/10	06/14/10 17:21	1035
Hexanal (TIC)	35	ug/kg	12		1	5.8	06/14/10	06/14/10 17:21	1035
Pentanal (TIC)	7	ug/kg	12		1	5.8	06/14/10	06/14/10 17:21	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Acenaphthylene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Acetophenone	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Anthracene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzo(a)anthracene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzo(a)pyrene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzo(b)fluoranthene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzo(g,h,i)perylene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzo(k)fluoranthene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Benzyl butyl phthalate	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
bis(2-chloroethoxy) methane	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
bis(2-chloroethyl) ether	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4-Bromophenylphenyl ether	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Di-n-butyl phthalate	ND	ug/kg	380		1	190	06/23/10	06/25/10 13:12	1040
4-Chloro-3-methylphenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4-Chloroaniline	ND	ug/kg	380		1	190	06/23/10	06/25/10 13:12	1040
2-Chloronaphthalene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2-Chlorophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Chrysene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Dibenz(a,h)Anthracene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Dibenzofuran	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
3,3-Dichlorobenzidine	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2,4-Dichlorophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Diethyl phthalate	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Dimethyl phthalate	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2,4-Dimethylphenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	380		1	190	06/23/10	06/25/10 13:12	1040
2,4-Dinitrotoluene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2,6-Dinitrotoluene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Fluoranthene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Fluorene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Hexachlorobenzene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Hexachlorobutadiene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Hexachlorocyclopentadiene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Hexachloroethane	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Isophorone	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2-Methylnaphthalene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2-Methylphenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
3&4-Methylphenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4-Nitroaniline	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
3-Nitroaniline	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2-Nitroaniline	ND	ug/kg	380		1	190	06/23/10	06/25/10 13:12	1040
Nitrobenzene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2-Nitrophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
4-Nitrophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
N-Nitrosodimethylamine	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
N-Nitrosodiphenylamine	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Di-n-octyl phthalate	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Pentachlorophenol	ND	ug/kg	380		1	190	06/23/10	06/25/10 13:12	1040
Phenanthrene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Phenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
Pyrene	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS5-SO-0 to 1 **Date/Time Sampled: 06/11/2010 08:30** **PSS Sample ID: 10061114-005**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
2,4,5-Trichlorophenol	ND	ug/kg	190		1	95	06/23/10	06/25/10 13:12	1040
unknown (TIC)	1,200	ug/kg	150		1	95	06/23/10	06/25/10 13:12	1040
unknown (TIC)	1,100	ug/kg	150		1	95	06/23/10	06/25/10 13:12	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	2.8		1	1.4	06/23/10	06/23/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Total Metals Analytical Method: SW846 6020 Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Arsenic	5.3	mg/kg	0.6		1	0.3	06/23/10	06/24/10 21:43	1033
Barium	94	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Beryllium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Cadmium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Chromium	47	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Cobalt	27	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Copper	38	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Lead	19	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Mercury	ND	mg/kg	0.12		1	0.06	06/23/10	06/25/10 18:34	1033
Nickel	26	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Selenium	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Silver	ND	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Thallium	ND	mg/kg	2.3		1	1.2	06/23/10	06/24/10 21:43	1033
Tin	ND	mg/kg	5.8		1	2.9	06/23/10	06/24/10 21:43	1033
Vanadium	66	mg/kg	2.9		1	1.4	06/23/10	06/24/10 21:43	1033
Zinc	82	mg/kg	12		1	5.8	06/23/10	06/24/10 21:43	1033

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
gamma-BHC (Lindane)	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
beta-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
delta-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Heptachlor	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Aldrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Heptachlor epoxide	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
gamma-Chlordane	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
alpha-Chlordane	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
4,4-DDE	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endosulfan I	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Dieldrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
4,4-DDD	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endosulfan II	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
4,4-DDT	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endrin aldehyde	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Methoxychlor	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endosulfan sulfate	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Endrin ketone	ND	ug/kg	24		1	12	06/22/10	06/23/10 14:12	1029
Toxaphene	ND	ug/kg	240		1	120	06/22/10	06/23/10 14:12	1029
Chlordane	ND	ug/kg	240		1	120	06/22/10	06/23/10 14:12	1029

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 13:34	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	250		1	120	06/24/10	06/25/10 19:33	1029
2,4,5-TP (Silvex)	ND	ug/kg	25		1	12	06/24/10	06/25/10 19:33	1029
2,4,5-T	ND	ug/kg	25		1	12	06/24/10	06/25/10 19:33	1029
Dinoseb	ND	ug/kg	120		1	62	06/24/10	06/25/10 19:33	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Chloromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Vinyl Chloride	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Bromomethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Chloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Acetone	59	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
Trichlorofluoromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1-Dichloroethene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Methylene chloride	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
trans-1,2-Dichloroethene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1-Dichloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Vinyl acetate	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
2-Butanone (MEK)	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
cis-1,2-Dichloroethene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Bromochloromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Chloroform	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
2,2-Dichloropropane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1,1-Trichloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2-Dichloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1-Dichloropropene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Carbon tetrachloride	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Benzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Dibromomethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2-Dichloropropane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Carbon Disulfide	ND	ug/kg	14		1	7	06/14/10	06/14/10 17:50	1035
Trichloroethene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Acrylonitrile	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
Bromodichloromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
cis-1,3-Dichloropropene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1,2-Trichloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Toluene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,3-Dichloropropane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
2-Hexanone (MBK)	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
1,2-Dibromoethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Dibromochloromethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Acrolein	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Bromoform	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Tetrachloroethene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Chlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Ethylbenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
m&p-Xylene	ND	ug/kg	14		1	7	06/14/10	06/14/10 17:50	1035
Styrene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
o-Xylene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2,3-Trichloropropane	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,3-Dichlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,4-Dichlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2-Dichlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	56		1	28	06/14/10	06/14/10 17:50	1035
1,2,4-Trichlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Iodomethane	ND	ug/kg	28		1	14	06/14/10	06/14/10 17:50	1035
Naphthalene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
1,2,3-Trichlorobenzene	ND	ug/kg	7		1	3.5	06/14/10	06/14/10 17:50	1035
Hexanal (TIC)	18	ug/kg	14		1	7	06/14/10	06/14/10 17:50	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Acenaphthylene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Acetophenone	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Anthracene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzo(a)anthracene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzo(a)pyrene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzo(b)fluoranthene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzo(g,h,i)perylene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzo(k)fluoranthene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Benzyl butyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
bis(2-chloroethoxy) methane	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
bis(2-chloroethyl) ether	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4-Bromophenylphenyl ether	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Di-n-butyl phthalate	ND	ug/kg	420		1	210	06/23/10	06/24/10 22:45	1040
4-Chloro-3-methylphenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4-Chloroaniline	ND	ug/kg	420		1	210	06/23/10	06/24/10 22:45	1040
2-Chloronaphthalene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2-Chlorophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Chrysene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Dibenz(a,h)Anthracene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Dibenzofuran	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
3,3-Dichlorobenzidine	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2,4-Dichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Diethyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Dimethyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2,4-Dimethylphenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	420		1	210	06/23/10	06/24/10 22:45	1040
2,4-Dinitrotoluene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2,6-Dinitrotoluene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Fluoranthene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Fluorene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Hexachlorobenzene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Hexachlorobutadiene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Hexachlorocyclopentadiene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Hexachloroethane	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Isophorone	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2-Methylnaphthalene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2-Methylphenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
3&4-Methylphenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4-Nitroaniline	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
3-Nitroaniline	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2-Nitroaniline	ND	ug/kg	420		1	210	06/23/10	06/24/10 22:45	1040
Nitrobenzene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2-Nitrophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
4-Nitrophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
N-Nitrosodimethylamine	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
N-Nitrosodiphenylamine	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Di-n-octyl phthalate	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Pentachlorophenol	ND	ug/kg	420		1	210	06/23/10	06/24/10 22:45	1040
Phenanthrene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Phenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
Pyrene	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS6-SO-0 to 1 **Date/Time Sampled: 06/11/2010 10:42** **PSS Sample ID: 10061114-006**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 79**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
2,4,5-Trichlorophenol	ND	ug/kg	210		1	110	06/23/10	06/24/10 22:45	1040
unknown (TIC)	410	ug/kg	170		1	110	06/23/10	06/24/10 22:45	1040
unknown (TIC)	370	ug/kg	170		1	110	06/23/10	06/24/10 22:45	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.0		1	1.5	06/23/10	06/23/10 00:00	1022

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1	Date/Time Sampled: 06/11/2010 12:40	PSS Sample ID: 10061114-007
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 76

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Arsenic	4.0	mg/kg	0.5		1	0.3	06/23/10	06/24/10 21:49	1033
Barium	100	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Beryllium	ND	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Cadmium	ND	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Chromium	51	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Cobalt	22	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Copper	43	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Lead	26	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Mercury	0.05	mg/kg	0.11		1	0.05	06/23/10	06/25/10 18:40	1033
Nickel	34	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Selenium	ND	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Silver	ND	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Thallium	ND	mg/kg	2.1		1	1.1	06/23/10	06/24/10 21:49	1033
Tin	ND	mg/kg	5.3		1	2.7	06/23/10	06/24/10 21:49	1033
Vanadium	64	mg/kg	2.7		1	1.3	06/23/10	06/24/10 21:49	1033
Zinc	89	mg/kg	11		1	5.3	06/23/10	06/24/10 21:49	1033

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
gamma-BHC (Lindane)	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
beta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
delta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Heptachlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Aldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Heptachlor epoxide	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
gamma-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
alpha-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
4,4-DDE	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endosulfan I	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Dieldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
4,4-DDD	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endosulfan II	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
4,4-DDT	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endrin aldehyde	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Methoxychlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endosulfan sulfate	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Endrin ketone	ND	ug/kg	25		1	13	06/22/10	06/23/10 14:12	1029
Toxaphene	ND	ug/kg	250		1	130	06/22/10	06/23/10 14:12	1029
Chlordane	ND	ug/kg	250		1	130	06/22/10	06/23/10 14:12	1029

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1	Date/Time Sampled: 06/11/2010 12:40	PSS Sample ID: 10061114-007
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 76

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:04	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	260		1	130	06/24/10	06/25/10 23:51	1029
2,4,5-TP (Silvex)	ND	ug/kg	26		1	13	06/24/10	06/25/10 23:51	1029
2,4,5-T	ND	ug/kg	26		1	13	06/24/10	06/25/10 23:51	1029
Dinoseb	ND	ug/kg	130		1	65	06/24/10	06/25/10 23:51	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Chloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Vinyl Chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Bromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Chloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Acetone	19	ug/kg	24	J	1	12	06/14/10	06/14/10 18:19	1035
Trichlorofluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Methylene chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Vinyl acetate	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
2-Butanone (MEK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Bromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Chloroform	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
2,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Carbon tetrachloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Benzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Dibromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Carbon Disulfide	ND	ug/kg	12		1	5.9	06/14/10	06/14/10 18:19	1035
Trichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Acrylonitrile	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035
Bromodichloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Toluene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,3-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
2-Hexanone (MBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035
1,2-Dibromoethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Dibromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Acrolein	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Bromoform	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Tetrachloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Chlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Ethylbenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
m&p-Xylene	ND	ug/kg	12		1	5.9	06/14/10	06/14/10 18:19	1035
Styrene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
o-Xylene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	47		1	24	06/14/10	06/14/10 18:19	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Iodomethane	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:19	1035
Naphthalene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:19	1035
Hexanal (TIC)	24	ug/kg	12		1	5.9	06/14/10	06/14/10 18:19	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Acenaphthylene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Acetophenone	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzo(a)anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzo(a)pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzo(b)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzo(g,h,i)perylene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzo(k)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Benzyl butyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
bis(2-chloroethoxy) methane	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
bis(2-chloroethyl) ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4-Bromophenylphenyl ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Di-n-butyl phthalate	ND	ug/kg	440		1	220	06/23/10	06/25/10 14:39	1040
4-Chloro-3-methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4-Chloroaniline	ND	ug/kg	440		1	220	06/23/10	06/25/10 14:39	1040
2-Chloronaphthalene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2-Chlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Chrysene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Dibenz(a,h)Anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Dibenzofuran	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
3,3-Dichlorobenzidine	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2,4-Dichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Diethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Dimethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2,4-Dimethylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	440		1	220	06/23/10	06/25/10 14:39	1040
2,4-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2,6-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Fluorene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Hexachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Hexachlorobutadiene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Hexachlorocyclopentadiene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Hexachloroethane	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Isophorone	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2-Methylnaphthalene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
3&4-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
3-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2-Nitroaniline	ND	ug/kg	440		1	220	06/23/10	06/25/10 14:39	1040
Nitrobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
4-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
N-Nitrosodimethylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
N-Nitrosodiphenylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Di-n-octyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Pentachlorophenol	ND	ug/kg	440		1	220	06/23/10	06/25/10 14:39	1040
Phenanthrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Phenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS7-SO-0 to 1 **Date/Time Sampled: 06/11/2010 12:40** **PSS Sample ID: 10061114-007**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
2,4,5-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 14:39	1040
Squalene (TIC)	190	ug/kg	170		1	110	06/23/10	06/25/10 14:39	1040
unknown (TIC)	2,600	ug/kg	170		1	110	06/23/10	06/25/10 14:39	1040
1-Butene, 3,3-dimethyl- (TIC)	2,200	ug/kg	170		1	110	06/23/10	06/25/10 14:39	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.3		1	1.6	06/23/10	06/23/10 00:00	1022

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Total Metals Analytical Method: SW846 6020 Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Arsenic	4.9	mg/kg	0.5		1	0.3	06/23/10	06/24/10 21:56	1033
Barium	73	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Beryllium	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Cadmium	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Chromium	38	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Cobalt	18	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Copper	40	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Lead	25	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Mercury	ND	mg/kg	0.10		1	0.05	06/23/10	06/25/10 18:46	1033
Nickel	19	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Selenium	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Silver	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Thallium	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 21:56	1033
Tin	ND	mg/kg	5.2		1	2.6	06/23/10	06/24/10 21:56	1033
Vanadium	89	mg/kg	2.6		1	1.3	06/23/10	06/24/10 21:56	1033
Zinc	48	mg/kg	10		1	5.2	06/23/10	06/24/10 21:56	1033

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No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

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Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
gamma-BHC (Lindane)	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
beta-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
delta-BHC	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Heptachlor	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Aldrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Heptachlor epoxide	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
gamma-Chlordane	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
alpha-Chlordane	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
4,4-DDE	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endosulfan I	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Dieldrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endrin	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
4,4-DDD	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endosulfan II	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
4,4-DDT	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endrin aldehyde	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Methoxychlor	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endosulfan sulfate	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Endrin ketone	ND	ug/kg	26		1	13	06/22/10	06/23/10 14:40	1029
Toxaphene	ND	ug/kg	260		1	130	06/22/10	06/23/10 14:40	1029
Chlordane	ND	ug/kg	260		1	130	06/22/10	06/23/10 14:40	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
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Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1221	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1232	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1242	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1248	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1254	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029
PCB-1260	ND	mg/kg	0.1		1	0.0652	06/23/10	06/24/10 14:33	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	260		1	130	06/24/10	06/25/10 20:05	1029
2,4,5-TP (Silvex)	ND	ug/kg	26		1	13	06/24/10	06/25/10 20:05	1029
2,4,5-T	ND	ug/kg	26		1	13	06/24/10	06/25/10 20:05	1029
Dinoseb	ND	ug/kg	130		1	65	06/24/10	06/25/10 20:05	1029

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Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Chloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Vinyl Chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Bromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Chloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Acetone	57	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
Trichlorofluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Methylene chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Vinyl acetate	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
2-Butanone (MEK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Bromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Chloroform	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
2,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Carbon tetrachloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Benzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Dibromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Carbon Disulfide	ND	ug/kg	12		1	6.1	06/14/10	06/14/10 18:47	1035
Trichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Acrylonitrile	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
Bromodichloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Toluene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,3-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
2-Hexanone (MBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
1,2-Dibromoethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Dibromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Acrolein	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Bromoform	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Tetrachloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Chlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Ethylbenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
m&p-Xylene	ND	ug/kg	12		1	6.1	06/14/10	06/14/10 18:47	1035
Styrene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
o-Xylene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	49		1	24	06/14/10	06/14/10 18:47	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Iodomethane	ND	ug/kg	24		1	12	06/14/10	06/14/10 18:47	1035
Naphthalene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 18:47	1035
Hexanal (TIC)	34	ug/kg	12		1	6.1	06/14/10	06/14/10 18:47	1035

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CERTIFICATE OF ANALYSIS

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EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Acenaphthylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Acetophenone	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzo(a)anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzo(a)pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzo(b)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzo(g,h,i)perylene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzo(k)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Benzyl butyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
bis(2-chloroethoxy) methane	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
bis(2-chloroethyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4-Bromophenylphenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Di-n-butyl phthalate	ND	ug/kg	440		1	220	06/23/10	06/24/10 22:16	1040
4-Chloro-3-methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4-Chloroaniline	ND	ug/kg	440		1	220	06/23/10	06/24/10 22:16	1040
2-Chloronaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2-Chlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Chrysene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Dibenz(a,h)Anthracene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Dibenzofuran	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
3,3-Dichlorobenzidine	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2,4-Dichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Diethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Dimethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2,4-Dimethylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040

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CERTIFICATE OF ANALYSIS

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Project Name: Gude
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Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	440		1	220	06/23/10	06/24/10 22:16	1040
2,4-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2,6-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Fluorene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Hexachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Hexachlorobutadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Hexachlorocyclopentadiene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Hexachloroethane	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Isophorone	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2-Methylnaphthalene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
3&4-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
3-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2-Nitroaniline	ND	ug/kg	440		1	220	06/23/10	06/24/10 22:16	1040
Nitrobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
4-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
N-Nitrosodimethylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
N-Nitrosodiphenylamine	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Di-n-octyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Pentachlorophenol	ND	ug/kg	440		1	220	06/23/10	06/24/10 22:16	1040
Phenanthrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Phenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
Pyrene	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS8-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:00** **PSS Sample ID: 10061114-008**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 75**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
2,4,5-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/24/10 22:16	1040
unknown (TIC)	300	ug/kg	180		1	110	06/23/10	06/24/10 22:16	1040
unknown (TIC)	320	ug/kg	180		1	110	06/23/10	06/24/10 22:16	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.3		1	1.7	06/24/10	06/24/10 00:00	1022

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Arsenic	4.7	mg/kg	0.4		1	0.2	06/23/10	06/24/10 22:23	1033
Barium	160	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Beryllium	2.0	mg/kg	2.1		1	1	06/23/10	06/25/10 18:53	1033
Cadmium	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Chromium	22	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Cobalt	40	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Copper	61	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Lead	22	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Mercury	0.05	mg/kg	0.08		1	0.04	06/23/10	06/25/10 18:53	1033
Nickel	23	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Selenium	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Silver	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Thallium	ND	mg/kg	1.6		1	0.8	06/23/10	06/24/10 22:23	1033
Tin	ND	mg/kg	4.1		1	2.1	06/23/10	06/24/10 22:23	1033
Vanadium	220	mg/kg	2.1		1	1	06/23/10	06/24/10 22:23	1033
Zinc	100	mg/kg	8.2		1	4.1	06/23/10	06/24/10 22:23	1033

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
gamma-BHC (Lindane)	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
beta-BHC	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
delta-BHC	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Heptachlor	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Aldrin	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Heptachlor epoxide	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
gamma-Chlordane	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
alpha-Chlordane	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
4,4-DDE	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endosulfan I	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Dieldrin	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endrin	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
4,4-DDD	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endosulfan II	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
4,4-DDT	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endrin aldehyde	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Methoxychlor	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endosulfan sulfate	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Endrin ketone	ND	ug/kg	23		1	11	06/22/10	06/23/10 14:40	1029
Toxaphene	ND	ug/kg	230		1	110	06/22/10	06/23/10 14:40	1029
Chlordane	ND	ug/kg	230		1	110	06/22/10	06/23/10 14:40	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 14:33	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	230		1	110	06/24/10	06/25/10 23:18	1029
2,4,5-TP (Silvex)	ND	ug/kg	23		1	11	06/24/10	06/25/10 23:18	1029
2,4,5-T	ND	ug/kg	23		1	11	06/24/10	06/25/10 23:18	1029
Dinoseb	ND	ug/kg	110		1	57	06/24/10	06/25/10 23:18	1029

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Chloromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Vinyl Chloride	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Bromomethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Chloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Acetone	79	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
Trichlorofluoromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1-Dichloroethene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Methylene chloride	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1-Dichloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Vinyl acetate	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
2-Butanone (MEK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Bromochloromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Chloroform	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
2,2-Dichloropropane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2-Dichloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1-Dichloropropene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Carbon tetrachloride	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Benzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Dibromomethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2-Dichloropropane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Carbon Disulfide	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 19:16	1035
Trichloroethene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Acrylonitrile	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
Bromodichloromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Toluene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,3-Dichloropropane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
2-Hexanone (MBK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
1,2-Dibromoethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Dibromochloromethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Acrolein	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Bromoform	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Tetrachloroethene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Chlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Ethylbenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
m&p-Xylene	ND	ug/kg	13		1	6.4	06/14/10	06/14/10 19:16	1035
Styrene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
o-Xylene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	51		1	26	06/14/10	06/14/10 19:16	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Iodomethane	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:16	1035
Naphthalene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	3.2	06/14/10	06/14/10 19:16	1035
Hexanal (TIC)	22	ug/kg	13		1	6.4	06/14/10	06/14/10 19:16	1035

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Acenaphthylene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Acetophenone	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Anthracene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Benzo(a)anthracene	220	ug/kg	200	B	1	98	06/23/10	06/24/10 21:16	1040
Benzo(a)pyrene	190	ug/kg	200	J	1	98	06/23/10	06/24/10 21:16	1040
Benzo(b)fluoranthene	180	ug/kg	200	J	1	98	06/23/10	06/24/10 21:16	1040
Benzo(g,h,i)perylene	110	ug/kg	200	J	1	98	06/23/10	06/24/10 21:16	1040
Benzo(k)fluoranthene	170	ug/kg	200	J	1	98	06/23/10	06/24/10 21:16	1040
Benzyl butyl phthalate	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
bis(2-chloroethoxy) methane	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
bis(2-chloroethyl) ether	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4-Bromophenylphenyl ether	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Di-n-butyl phthalate	ND	ug/kg	390		1	200	06/23/10	06/24/10 21:16	1040
4-Chloro-3-methylphenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4-Chloroaniline	ND	ug/kg	390		1	200	06/23/10	06/24/10 21:16	1040
2-Chloronaphthalene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2-Chlorophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Chrysene	230	ug/kg	200	B	1	98	06/23/10	06/24/10 21:16	1040
Dibenz(a,h)Anthracene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Dibenzofuran	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
3,3-Dichlorobenzidine	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2,4-Dichlorophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Diethyl phthalate	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Dimethyl phthalate	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2,4-Dimethylphenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	390		1	200	06/23/10	06/24/10 21:16	1040
2,4-Dinitrotoluene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2,6-Dinitrotoluene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Fluoranthene	400	ug/kg	200	B	1	98	06/23/10	06/24/10 21:16	1040
Fluorene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Hexachlorobenzene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Hexachlorobutadiene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Hexachlorocyclopentadiene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Hexachloroethane	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Indeno(1,2,3-c,d)pyrene	130	ug/kg	200	J	1	98	06/23/10	06/24/10 21:16	1040
Isophorone	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2-Methylnaphthalene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2-Methylphenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
3&4-Methylphenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4-Nitroaniline	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
3-Nitroaniline	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2-Nitroaniline	ND	ug/kg	390		1	200	06/23/10	06/24/10 21:16	1040
Nitrobenzene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2-Nitrophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
4-Nitrophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
N-Nitrosodimethylamine	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
N-Nitrosodiphenylamine	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Di-n-octyl phthalate	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Pentachlorophenol	ND	ug/kg	390		1	200	06/23/10	06/24/10 21:16	1040
Phenanthrene	380	ug/kg	200	B	1	98	06/23/10	06/24/10 21:16	1040
Phenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
Pyrene	390	ug/kg	200	B	1	98	06/23/10	06/24/10 21:16	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS9-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:12** **PSS Sample ID: 10061114-009**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 85**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
2,4,5-Trichlorophenol	ND	ug/kg	200		1	98	06/23/10	06/24/10 21:16	1040
3-Penten-1-ol, 2-methyl- (TIC)	930	ug/kg	160		1	98	06/23/10	06/24/10 21:16	1040
Benzo[e]pyrene (TIC)	190	ug/kg	160		1	98	06/23/10	06/24/10 21:16	1040
unknown (TIC)	870	ug/kg	160		1	98	06/23/10	06/24/10 21:16	1040
Nonadecane (TIC)	460	ug/kg	160		1	98	06/23/10	06/24/10 21:16	1040
Pentacosane (TIC)	270	ug/kg	160		1	98	06/23/10	06/24/10 21:16	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	2.9		1	1.4	06/24/10	06/24/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Total Metals Analytical Method: SW846 6020 Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Arsenic	5.0	mg/kg	0.6		1	0.3	06/23/10	06/24/10 22:30	1033
Barium	96	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Beryllium	ND	mg/kg	3.1		1	1.6	06/23/10	06/25/10 19:00	1033
Cadmium	ND	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Chromium	42	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Cobalt	17	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Copper	41	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Lead	25	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Mercury	0.07	mg/kg	0.12		1	0.06	06/23/10	06/25/10 19:00	1033
Nickel	25	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Selenium	ND	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Silver	ND	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Thallium	ND	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:30	1033
Tin	ND	mg/kg	6.2		1	3.1	06/23/10	06/24/10 22:30	1033
Vanadium	150	mg/kg	3.1		1	1.6	06/23/10	06/24/10 22:30	1033
Zinc	65	mg/kg	12		1	6.2	06/23/10	06/24/10 22:30	1033

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1	Date/Time Sampled: 06/11/2010 11:20	PSS Sample ID: 10061114-010
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 80

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
gamma-BHC (Lindane)	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
beta-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
delta-BHC	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Heptachlor	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Aldrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Heptachlor epoxide	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
gamma-Chlordane	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
alpha-Chlordane	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
4,4-DDE	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endosulfan I	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Dieldrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endrin	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
4,4-DDD	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endosulfan II	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
4,4-DDT	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endrin aldehyde	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Methoxychlor	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endosulfan sulfate	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Endrin ketone	ND	ug/kg	24		1	12	06/22/10	06/23/10 15:08	1029
Toxaphene	ND	ug/kg	240		1	120	06/22/10	06/23/10 15:08	1029
Chlordane	ND	ug/kg	240		1	120	06/22/10	06/23/10 15:08	1029

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1221	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1232	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1242	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1248	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1254	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029
PCB-1260	ND	mg/kg	0.1		1	0.0606	06/23/10	06/24/10 15:02	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	250		1	120	06/24/10	06/25/10 20:38	1029
2,4,5-TP (Silvex)	ND	ug/kg	25		1	12	06/24/10	06/25/10 20:38	1029
2,4,5-T	ND	ug/kg	25		1	12	06/24/10	06/25/10 20:38	1029
Dinoseb	ND	ug/kg	120		1	62	06/24/10	06/25/10 20:38	1029

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Chloromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Vinyl Chloride	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Bromomethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Chloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Acetone	94	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
Trichlorofluoromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1-Dichloroethene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Methylene chloride	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
trans-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1-Dichloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Vinyl acetate	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
2-Butanone (MEK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
cis-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Bromochloromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Chloroform	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
2,2-Dichloropropane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1,1-Trichloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2-Dichloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1-Dichloropropene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Carbon tetrachloride	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Benzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Dibromomethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2-Dichloropropane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Carbon Disulfide	ND	ug/kg	13		1	6.6	06/14/10	06/14/10 19:45	1035
Trichloroethene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Acrylonitrile	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
Bromodichloromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
cis-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1,2-Trichloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Toluene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,3-Dichloropropane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
2-Hexanone (MBK)	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
1,2-Dibromoethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Dibromochloromethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Acrolein	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Bromoform	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Tetrachloroethene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Chlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Ethylbenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
m&p-Xylene	ND	ug/kg	13		1	6.6	06/14/10	06/14/10 19:45	1035
Styrene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
o-Xylene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2,3-Trichloropropane	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,3-Dichlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,4-Dichlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2-Dichlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	53		1	26	06/14/10	06/14/10 19:45	1035
1,2,4-Trichlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Iodomethane	ND	ug/kg	26		1	13	06/14/10	06/14/10 19:45	1035
Naphthalene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
1,2,3-Trichlorobenzene	ND	ug/kg	7		1	3.3	06/14/10	06/14/10 19:45	1035
Pentanal (TIC)	8	ug/kg	13		1	6.6	06/14/10	06/14/10 19:45	1035
Hexanal (TIC)	40	ug/kg	13		1	6.6	06/14/10	06/14/10 19:45	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Acenaphthylene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Acetophenone	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Anthracene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzo(a)anthracene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzo(a)pyrene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzo(b)fluoranthene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzo(g,h,i)perylene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzo(k)fluoranthene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Benzyl butyl phthalate	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
bis(2-chloroethoxy) methane	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
bis(2-chloroethyl) ether	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4-Bromophenylphenyl ether	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Di-n-butyl phthalate	ND	ug/kg	420		1	210	06/23/10	06/24/10 21:46	1040
4-Chloro-3-methylphenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4-Chloroaniline	ND	ug/kg	420		1	210	06/23/10	06/24/10 21:46	1040
2-Chloronaphthalene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2-Chlorophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Chrysene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Dibenz(a,h)Anthracene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Dibenzofuran	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
3,3-Dichlorobenzidine	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2,4-Dichlorophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Diethyl phthalate	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Dimethyl phthalate	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2,4-Dimethylphenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	420		1	210	06/23/10	06/24/10 21:46	1040
2,4-Dinitrotoluene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2,6-Dinitrotoluene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Fluoranthene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Fluorene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Hexachlorobenzene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Hexachlorobutadiene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Hexachlorocyclopentadiene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Hexachloroethane	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Isophorone	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2-Methylnaphthalene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2-Methylphenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
3&4-Methylphenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4-Nitroaniline	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
3-Nitroaniline	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2-Nitroaniline	ND	ug/kg	420		1	210	06/23/10	06/24/10 21:46	1040
Nitrobenzene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2-Nitrophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
4-Nitrophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
N-Nitrosodimethylamine	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
N-Nitrosodiphenylamine	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Di-n-octyl phthalate	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Pentachlorophenol	ND	ug/kg	420		1	210	06/23/10	06/24/10 21:46	1040
Phenanthrene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Phenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
Pyrene	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS10-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:20** **PSS Sample ID: 10061114-010**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 80**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
2,4,5-Trichlorophenol	ND	ug/kg	210		1	100	06/23/10	06/24/10 21:46	1040
unknown (TIC)	660	ug/kg	170		1	100	06/23/10	06/24/10 21:46	1040
unknown (TIC)	440	ug/kg	170		1	100	06/23/10	06/24/10 21:46	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.0		1	1.5	06/24/10	06/24/10 00:00	1022

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 Date/Time Sampled: 06/11/2010 11:55 PSS Sample ID: 10061114-011
Matrix: SOIL Date/Time Received: 06/11/2010 16:10 % Solids: 88

Total Metals

Analytical Method: SW846 6020

Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Arsenic	3.4	mg/kg	0.5		1	0.2	06/23/10	06/24/10 22:36	1033
Barium	66	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Beryllium	ND	mg/kg	2.5		1	1.2	06/23/10	06/25/10 19:06	1033
Cadmium	ND	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Chromium	51	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Cobalt	29	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Copper	37	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Lead	16	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Mercury	ND	mg/kg	0.10		1	0.05	06/23/10	06/25/10 19:06	1033
Nickel	63	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Selenium	ND	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Silver	ND	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Thallium	ND	mg/kg	2.0		1	1	06/23/10	06/24/10 22:36	1033
Tin	ND	mg/kg	4.9		1	2.5	06/23/10	06/24/10 22:36	1033
Vanadium	38	mg/kg	2.5		1	1.2	06/23/10	06/24/10 22:36	1033
Zinc	70	mg/kg	9.8		1	4.9	06/23/10	06/24/10 22:36	1033

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1	Date/Time Sampled: 06/11/2010 11:55	PSS Sample ID: 10061114-011
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 88

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
gamma-BHC (Lindane)	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
beta-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
delta-BHC	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Heptachlor	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Aldrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Heptachlor epoxide	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
gamma-Chlordane	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
alpha-Chlordane	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
4,4-DDE	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endosulfan I	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Dieldrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endrin	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
4,4-DDD	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endosulfan II	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
4,4-DDT	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endrin aldehyde	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Methoxychlor	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endosulfan sulfate	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Endrin ketone	ND	ug/kg	22		1	11	06/22/10	06/23/10 18:25	1029
Toxaphene	ND	ug/kg	220		1	110	06/22/10	06/23/10 18:25	1029
Chlordane	ND	ug/kg	220		1	110	06/22/10	06/23/10 18:25	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1221	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1232	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1242	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1248	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1254	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029
PCB-1260	ND	mg/kg	0.1		1	0.1	06/23/10	06/24/10 15:02	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	220		1	110	06/24/10	06/25/10 22:46	1029
2,4,5-TP (Silvex)	ND	ug/kg	22		1	11	06/24/10	06/25/10 22:46	1029
2,4,5-T	ND	ug/kg	22		1	11	06/24/10	06/25/10 22:46	1029
Dinoseb	ND	ug/kg	110		1	55	06/24/10	06/25/10 22:46	1029

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CERTIFICATE OF ANALYSIS

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EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Chloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Vinyl Chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Bromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Chloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Acetone	35	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
Trichlorofluoromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Methylene chloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Vinyl acetate	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
2-Butanone (MEK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Bromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Chloroform	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
2,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2-Dichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Carbon tetrachloride	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Benzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Dibromomethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Carbon Disulfide	ND	ug/kg	12		1	5.9	06/14/10	06/14/10 20:13	1035
Trichloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Acrylonitrile	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
Bromodichloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Toluene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,3-Dichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
2-Hexanone (MBK)	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
1,2-Dibromoethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Dibromochloromethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Acrolein	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Bromoform	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Tetrachloroethene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Chlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Ethylbenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
m&p-Xylene	ND	ug/kg	12		1	5.9	06/14/10	06/14/10 20:13	1035
Styrene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
o-Xylene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	48		1	24	06/14/10	06/14/10 20:13	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Iodomethane	ND	ug/kg	24		1	12	06/14/10	06/14/10 20:13	1035
Naphthalene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	3	06/14/10	06/14/10 20:13	1035
Hexanal (TIC)	64	ug/kg	12		1	5.9	06/14/10	06/14/10 20:13	1035
Pentanal (TIC)	13	ug/kg	12		1	5.9	06/14/10	06/14/10 20:13	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Acenaphthylene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Acetophenone	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Anthracene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzo(a)anthracene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzo(a)pyrene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzo(b)fluoranthene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzo(g,h,i)perylene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzo(k)fluoranthene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Benzyl butyl phthalate	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
bis(2-chloroethoxy) methane	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
bis(2-chloroethyl) ether	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4-Bromophenylphenyl ether	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Di-n-butyl phthalate	ND	ug/kg	380		1	190	06/23/10	06/25/10 14:09	1040
4-Chloro-3-methylphenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4-Chloroaniline	ND	ug/kg	380		1	190	06/23/10	06/25/10 14:09	1040
2-Chloronaphthalene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2-Chlorophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Chrysene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Dibenz(a,h)Anthracene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Dibenzofuran	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
3,3-Dichlorobenzidine	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2,4-Dichlorophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Diethyl phthalate	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Dimethyl phthalate	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2,4-Dimethylphenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	380		1	190	06/23/10	06/25/10 14:09	1040
2,4-Dinitrotoluene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2,6-Dinitrotoluene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Fluoranthene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Fluorene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Hexachlorobenzene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Hexachlorobutadiene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Hexachlorocyclopentadiene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Hexachloroethane	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Isophorone	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2-Methylnaphthalene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2-Methylphenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
3&4-Methylphenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4-Nitroaniline	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
3-Nitroaniline	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2-Nitroaniline	ND	ug/kg	380		1	190	06/23/10	06/25/10 14:09	1040
Nitrobenzene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2-Nitrophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
4-Nitrophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
N-Nitrosodimethylamine	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
N-Nitrosodiphenylamine	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Di-n-octyl phthalate	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Pentachlorophenol	ND	ug/kg	380		1	190	06/23/10	06/25/10 14:09	1040
Phenanthrene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Phenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
Pyrene	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SS11-SO-0 to 1 **Date/Time Sampled: 06/11/2010 11:55** **PSS Sample ID: 10061114-011**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 88**

Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
2,4,5-Trichlorophenol	ND	ug/kg	190		1	94	06/23/10	06/25/10 14:09	1040
unknown (TIC)	2,500	ug/kg	150		1	94	06/23/10	06/25/10 14:09	1040
1-Butene, 3,3-dimethyl- (TIC)	2,200	ug/kg	150		1	94	06/23/10	06/25/10 14:09	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	2.7		1	1.4	06/24/10	06/24/10 00:00	1022

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1	Date/Time Sampled: 06/11/2010 12:00	PSS Sample ID: 10061114-012
Matrix: SOIL	Date/Time Received: 06/11/2010 16:10	% Solids: 76

Total Metals Analytical Method: SW846 6020 Preparation Method: SW846 3050B

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Arsenic	5.4	mg/kg	0.5		1	0.3	06/23/10	06/24/10 22:43	1033
Barium	71	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Beryllium	ND	mg/kg	2.6		1	1.3	06/23/10	06/25/10 19:13	1033
Cadmium	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Chromium	41	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Cobalt	19	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Copper	39	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Lead	27	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Mercury	0.06	mg/kg	0.10		1	0.05	06/23/10	06/25/10 19:13	1033
Nickel	21	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Selenium	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Silver	ND	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Thallium	ND	mg/kg	2.1		1	1	06/23/10	06/24/10 22:43	1033
Tin	ND	mg/kg	5.2		1	2.6	06/23/10	06/24/10 22:43	1033
Vanadium	85	mg/kg	2.6		1	1.3	06/23/10	06/24/10 22:43	1033
Zinc	48	mg/kg	10		1	5.2	06/23/10	06/24/10 22:43	1033

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Organochlorine Pesticides

Analytical Method: SW846 8081B

Preparation Method: SW846 3550

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
alpha-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
gamma-BHC (Lindane)	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
beta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
delta-BHC	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Heptachlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Aldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Heptachlor epoxide	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
gamma-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
alpha-Chlordane	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
4,4-DDE	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endosulfan I	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Dieldrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endrin	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
4,4-DDD	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endosulfan II	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
4,4-DDT	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endrin aldehyde	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Methoxychlor	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endosulfan sulfate	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Endrin ketone	ND	ug/kg	25		1	13	06/22/10	06/23/10 15:08	1029
Toxaphene	ND	ug/kg	250		1	130	06/22/10	06/23/10 15:08	1029
Chlordane	ND	ug/kg	250		1	130	06/22/10	06/23/10 15:08	1029

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CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Polychlorinated Biphenyls

Analytical Method: SW846 8082A

Preparation Method: SW846 3550

Clean up Method: SW846 3665A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
PCB-1016	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1221	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1232	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1242	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1248	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1254	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029
PCB-1260	ND	mg/kg	0.1		1	0.0636	06/23/10	06/24/10 15:32	1029

Chlorinated Herbicides

Analytical Method: SW846 8151A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-D	ND	ug/kg	260		1	130	06/24/10	06/25/10 21:10	1029
2,4,5-TP (Silvex)	ND	ug/kg	26		1	13	06/24/10	06/25/10 21:10	1029
2,4,5-T	ND	ug/kg	26		1	13	06/24/10	06/25/10 21:10	1029
Dinoseb	ND	ug/kg	130		1	64	06/24/10	06/25/10 21:10	1029

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CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Volatile Organic Compounds

Analytical Method: SW846 8260B

Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Chloromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Vinyl Chloride	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Bromomethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Chloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Acetone	58	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
Trichlorofluoromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1-Dichloroethene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Methylene chloride	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1-Dichloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Vinyl acetate	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
2-Butanone (MEK)	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Bromochloromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Chloroform	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
2,2-Dichloropropane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1,1-Trichloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2-Dichloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1-Dichloropropene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Carbon tetrachloride	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Benzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Dibromomethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2-Dichloropropane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Carbon Disulfide	ND	ug/kg	12		1	6.1	06/14/10	06/14/10 20:42	1035
Trichloroethene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Acrylonitrile	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
Bromodichloromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Volatile Organic Compounds Analytical Method: SW846 8260B Preparation Method: SW846 5035A

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1,2-Trichloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Toluene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,3-Dichloropropane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
2-Hexanone (MBK)	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
1,2-Dibromoethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Dibromochloromethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Acrolein	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
1,1,1,2-Tetrachloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Bromoform	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
trans-1,4-dichloro-2-butene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Tetrachloroethene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Chlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Ethylbenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
m&p-Xylene	ND	ug/kg	12		1	6.1	06/14/10	06/14/10 20:42	1035
Styrene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,1,2,2-Tetrachloroethane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
o-Xylene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2,3-Trichloropropane	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,3-Dichlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,4-Dichlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2-Dichlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2-Dibromo-3-chloropropane	ND	ug/kg	49		1	25	06/14/10	06/14/10 20:42	1035
1,2,4-Trichlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Iodomethane	ND	ug/kg	25		1	12	06/14/10	06/14/10 20:42	1035
Naphthalene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
1,2,3-Trichlorobenzene	ND	ug/kg	6		1	3.1	06/14/10	06/14/10 20:42	1035
Hexanal (TIC)	27	ug/kg	12		1	6.1	06/14/10	06/14/10 20:42	1035

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Acenaphthylene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Acetophenone	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzo(a)anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzo(a)pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzo(b)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzo(g,h,i)perylene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzo(k)fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Benzyl butyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
bis(2-chloroethoxy) methane	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
bis(2-chloroethyl) ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
bis(2-chloroisopropyl) ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
bis(2-ethylhexyl) phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4-Bromophenylphenyl ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Di-n-butyl phthalate	ND	ug/kg	440		1	220	06/23/10	06/25/10 12:42	1040
4-Chloro-3-methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4-Chloroaniline	ND	ug/kg	440		1	220	06/23/10	06/25/10 12:42	1040
2-Chloronaphthalene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2-Chlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4-Chlorophenyl phenyl ether	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Chrysene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Dibenz(a,h)Anthracene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Dibenzofuran	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
3,3-Dichlorobenzidine	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2,4-Dichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Diethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Dimethyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2,4-Dimethylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4,6-Dinitro-2-methyl phenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114

EA Engineering, Sparks, MD

August 27, 2010

Project Name: Gude

Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

Semivolatile Organic Compounds

Analytical Method: SW846 8270C

Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4-Dinitrophenol	ND	ug/kg	440		1	220	06/23/10	06/25/10 12:42	1040
2,4-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2,6-Dinitrotoluene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Fluoranthene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Fluorene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Hexachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Hexachlorobutadiene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Hexachlorocyclopentadiene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Hexachloroethane	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Indeno(1,2,3-c,d)pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Isophorone	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2-Methylnaphthalene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
3&4-Methylphenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
3-Nitroaniline	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2-Nitroaniline	ND	ug/kg	440		1	220	06/23/10	06/25/10 12:42	1040
Nitrobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
4-Nitrophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
N-Nitrosodimethylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
N-Nitrosodi-n-propylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
N-Nitrosodiphenylamine	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Di-n-octyl phthalate	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Pentachlorophenol	ND	ug/kg	440		1	220	06/23/10	06/25/10 12:42	1040
Phenanthrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Phenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
Pyrene	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2,3,4,6-Tetrachlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10061114
 EA Engineering, Sparks, MD
 August 27, 2010

Project Name: Gude
 Project Location: Rockville, MD

Sample ID: Gude-SO-DUP-1 **Date/Time Sampled: 06/11/2010 12:00** **PSS Sample ID: 10061114-012**
Matrix: SOIL **Date/Time Received: 06/11/2010 16:10** **% Solids: 76**

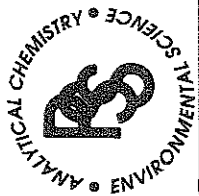
Semivolatile Organic Compounds Analytical Method: SW846 8270C Preparation Method: SW846 3550

Library search was performed and TICs (if any) are listed below, values of TICs are estimated

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
2,4,6-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
2,4,5-Trichlorophenol	ND	ug/kg	220		1	110	06/23/10	06/25/10 12:42	1040
unknown (TIC)	480	ug/kg	170		1	110	06/23/10	06/25/10 12:42	1040
unknown (TIC)	540	ug/kg	170		1	110	06/23/10	06/25/10 12:42	1040

Cyanide Analytical Method: SW846 9014

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Cyanide, Total	ND	mg/kg	3.2		1	1.6	06/24/10	06/24/10 00:00	1022



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com
email: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

1 CLIENT: EA Engineering OFFICE LOC. Sparks, MD
 PROJECT MGR: Pete Lekas PHONE NO: (410) 771-4950
 EMAIL: plekas@east.com FAX NO: (410) 771-4204
 PROJECT NAME: Guide PROJECT NO.:
 SITE LOCATION: Rockville, MD P.O. NO.:
 SAMPLERS: Joseph Sawicki

PSS Work Order # 10061114 PAGE 2 OF 2

Matrix Codes:
 DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W=Wipe
 SW=Surface Wtr

Used Preservatives	Analysis/Method Required	SAMPLE TYPE	C = COMP	G = GRAB	CONTAINERS	REMARKS
	VOC				8	
	Herbicide					
	PCB					
	Organohalogen					
	Metals					

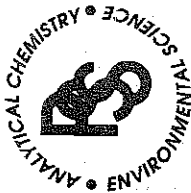
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)
1	Guide-551-50-0 to 1	6/11/10	1010	S
2	Guide-552-50-0 to 1		1017	
3	Guide-553-50-0 to 1		0945	
4	Guide-554-50-0 to 1		1030	
5	Guide-555-50-0 to 1		0830	
6	Guide-556-50-0 to 1		1042	
7	Guide-557-50-0 to 1		1240	
8	Guide-558-50-0 to 1		1100	
9	Guide-559-50-0 to 1		1112	
10	Guide-5510-50-0 to 1		1120	

4 Requested Turnaround Time: 2 # of Coolers: 2
 5-Day 3-Day 2-Day
 Next Day Emergency Other
 Custody Seal: ABS
 Ice Present: YES Temp: 5°C
 Shipping Carrier: CLIENT

5 Relinquished By: (1) [Signature] Received By: [Signature]
 Relinquished By: (2) [Signature] Received By: [Signature]
 Relinquished By: (3) [Signature] Received By: [Signature]
 Relinquished By: (4) [Signature] Received By: [Signature]

Special Instructions: EDD

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
 The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

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email: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

1 CLIENT: EA Engineering OFFICE LOC. Sparks, MD		PSS Work Order # 1006114 PAGE 2 OF 2						
PROJECT MGR: Pete LeKas PHONE NO.: (410) 771-4950		Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe						
EMAIL: plekas@east.com FAX NO.: (410) 771-4204		No. CONTAINERS						
PROJECT NAME: Gude PROJECT NO.:		Preservatives Used						
SITE LOCATION: Rockville, MD P.O. NO.:		Analysis Method Required 3						
SAMPLERS: Joseph Sawicki		VOC SVOC Pesticide Herbicide Organophosphorus Leakage Sulfide PCB						
LAB NO	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	SAMPLE TYPE	C = COMP	G = GRAB	REMARKS
11	Gude-SS11-50-0 to 1	6/11/0	1155	S	<	X	X	X
12	Gude-50-Dmp-1	6/11/0	1200	S	<	X	X	X
5 Relinquished By: (1) [Signature]					Requested Turnaround Time: <input checked="" type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other			
Relinquished By: (2) [Signature]					Data Deliverables Required: EOD			
Relinquished By: (3)					Special Instructions:			
Relinquished By: (4)					# of Coolers: 2 Custody Seal: ABS Ice Present: YES Temp: 62 Shipping Carrier: CLIENT			

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 The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



Phase Separation Science, Inc

Sample Receipt Checklist

Wo Number 10061114 **Received By** Rachel Davis
Client Name EA Engineering **Date Received** 06/11/2010 04:10:00 PM
Project Name Gude **Delivered By** Client
Project Number N/A **Tracking No** Not Applicable
Disposal Date: 08/10/2010 **Logged In By** Rachel Davis

Shipping Container(s)

No. of Coolers	2	Ice	Present
Custody Seals	Not Applicable	Temp (deg C)	5
Seal Condition	Not Applicable	Temp Blank Present	No

Documentation

COC agrees with sample labels? Yes or No Sampler Name: Joseph Sawicki
Chain of Custody (COC) Yes or No MD DW Cert. No.: N/A

Sample Container

Appropriate for Specified Analysis? Yes No Custody Seal(s) Absent
Intact? Custody Seal(s) Intact? Not Applicable
Labeled and Labels Legible Seal(s) Signed / Dated Not Applicable
Total No. of Samples Received 12 Total No. of Containers Received 96

Preservation

	Yes	No	N/A
Metals (pH<2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cyanides (pH>12)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sulfide (pH>9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TOC, COD, Phenols (pH<2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TOX, TKN, NH3, Total Phos (pH<2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOC, BTEX (VOA Vials Rcvd Preserved) (pH<2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Do VOA vials have zero headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

Samples Inspected/Checklist Completed By: [Signature] Date: 6/11/10
PM Review and Approval: [Signature] Date: 6/11/10

Analytical Data Package Information Summary for W.O 10061114

Report Prepared For: EA Engineering, Sparks, MD

Project Name: Gude Landfill

Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed
AD2216A	Gude-SO-DUP-1	Initial	10061114-012	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS4-SO-0 to 1	Initial	10061114-004	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS8-SO-0 to 1	Initial	10061114-008	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1041	S	83021	83021	06/11/2010	06/11/2010	06/14/2010	06/14/2010
SW846 6020	33335-1-BKS	BKS	33335-1-BKS	1033	S	33335	83293	-----	06/11/2010	06/23/2010	06/24/2010
	33335-1-BLK	BLK	33335-1-BLK	1033	S	33335	83293	-----	06/11/2010	06/23/2010	06/24/2010
	Gude-SO-DUP-1	Initial	10061114-012	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS1-SO-0 to 1 S	MS	10061114-001 S	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS1-SO-0 to 1 SD	MSD	10061114-001 SD	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS4-SO-0 to 1	Initial	10061114-004	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010
Gude-SS6-SO-0 to 1	Initial	10061114-006	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS7-SO-0 to 1	Initial	10061114-007	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS8-SO-0 to 1	Initial	10061114-008	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS9-SO-0 to 1	Initial	10061114-009	1033	S	33335	83293	06/11/2010	06/11/2010	06/23/2010	06/24/2010	

Analytical Data Package Information Summary for W.O 10061114

Report Prepared For: EA Engineering, Sparks, MD

Project Name: Gude Landfill

Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed	
SW846 6020	33335-1-BKS	BKS	33335-1-BKS	1033	S	33335	83322	-----	06/11/2010	06/23/2010	06/25/2010	
	33335-1-BLK	BLK	33335-1-BLK	1033	S	33335	83322	-----	06/11/2010	06/23/2010	06/25/2010	
	Gude-SO-DUP-1 DL	Reanalysis	10061114-012 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS1-SO-0 to 1 DL	Reanalysis	10061114-001 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS10-SO-0 to 1 DL	Reanalysis	10061114-010 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS11-SO-0 to 1 DL	Reanalysis	10061114-011 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS2-SO-0 to 1 DL	Reanalysis	10061114-002 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS3-SO-0 to 1 DL	Reanalysis	10061114-003 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS4-SO-0 to 1 DL	Reanalysis	10061114-004 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS5-SO-0 to 1 DL	Reanalysis	10061114-005 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS6-SO-0 to 1 DL	Reanalysis	10061114-006 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS7-SO-0 to 1 DL	Reanalysis	10061114-007 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS8-SO-0 to 1 DL	Reanalysis	10061114-008 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	Gude-SS9-SO-0 to 1 DL	Reanalysis	10061114-009 DL	1033	S	33335	83322	06/11/2010	06/11/2010	06/23/2010	06/25/2010	
	SW846 8081B	33325-1-BKS	BKS	33325-1-BKS	1029	S	33325	83257	-----	06/11/2010	06/22/2010	06/23/2010
		33325-1-BLK	BLK	33325-1-BLK	1029	S	33325	83257	-----	06/11/2010	06/22/2010	06/23/2010
33325-1-BSD		BSD	33325-1-BSD	1029	S	33325	83257	-----	06/11/2010	06/22/2010	06/23/2010	
Gude-SS10-SO-0 to 1 DL		Initial	10061114-010	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
Gude-SS11-SO-0 to 1 DL		Initial	10061114-011	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
Gude-SS4-SO-0 to 1 DL		Initial	10061114-004	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
Gude-SS5-SO-0 to 1 DL		Initial	10061114-005	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
Gude-SS5-SO-0 to 1 S		MS	10061114-005 S	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
Gude-SS5-SO-0 to 1 DL		MSD	10061114-005 SD	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	

Analytical Data Package Information Summary for W.O 10061114

Report Prepared For: EA Engineering, Sparks, MD
 Project Name: Gude Landfill
 Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed	
SW846 8081B	SD											
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS8-SO-0 to 1	Initial	10061114-008	1029	S	33325	83257	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SO-DUP-1	Initial	10061114-012	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1029	S	33325	83258	06/11/2010	06/11/2010	06/22/2010	06/23/2010	
	33341-1-BKS	BKS		33341-1-BKS	1029	S	33341	83290	-----	06/11/2010	06/23/2010	06/24/2010
	33341-1-BLK	BLK		33341-1-BLK	1029	S	33341	83290	-----	06/11/2010	06/23/2010	06/24/2010
	33341-1-BSD	BSD		33341-1-BSD	1029	S	33341	83290	-----	06/11/2010	06/23/2010	06/24/2010
	Gude-SO-DUP-1	Initial		10061114-012	1029	S	33341	83290	06/11/2010	06/11/2010	06/23/2010	06/24/2010
Gude-SS10-SO-0 to 1	Initial		10061114-010	1029	S	33341	83290	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS3-SO-0 to 1	Initial		10061114-003	1029	S	33341	83290	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS8-SO-0 to 1	Initial		10061114-008	1029	S	33341	83290	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
TP4-S-2 S	MS		10062211-002 S	1029	S	33341	83290	06/22/2010	06/11/2010	06/23/2010	06/24/2010	
TP4-S-2 SD	MSD		10062211-002 SD	1029	S	33341	83290	06/22/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS1-SO-0 to 1	Initial		10061114-001	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS11-SO-0 to 1	Initial		10061114-011	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS2-SO-0 to 1	Initial		10061114-002	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS4-SO-0 to 1	Initial		10061114-004	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS5-SO-0 to 1	Initial		10061114-005	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS6-SO-0 to 1	Initial		10061114-006	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS7-SO-0 to 1	Initial		10061114-007	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
Gude-SS9-SO-0 to 1	Initial		10061114-009	1029	S	33341	83291	06/11/2010	06/11/2010	06/23/2010	06/24/2010	
SW846 8151A	33347-1-BKS	BKS		33347-1-BKS	1029	S	33347	83315	-----	06/11/2010	06/24/2010	06/25/2010
	33347-1-BLK	BLK		33347-1-BLK	1029	S	33347	83315	-----	06/11/2010	06/24/2010	06/25/2010

Analytical Data Package Information Summary for W.O 100611114

Report Prepared For: EA Engineering, Sparks, MD
 Project Name: Gude Landfill
 Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed
SW846 8151A	33347-1-BSD	BSD	33347-1-BSD	1029	S	33347	83315	-----	06/11/2010	06/24/2010	06/25/2010
	Gude-SO-DUP-1	Initial	10061114-012	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS1-SO-0 to 1 S	MS	10061114-001 S	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS1-SO-0 to 1 SD	MSD	10061114-001 SD	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/26/2010
	Gude-SS4-SO-0 to 1	Initial	10061114-004	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/26/2010
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS8-SO-0 to 1	Initial	10061114-008	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1029	S	33347	83315	06/11/2010	06/11/2010	06/24/2010	06/25/2010
SW846 8260B	33247-1-BKS	BKS	33247-1-BKS	1035	S	33247	83057	-----	06/11/2010	06/14/2010	06/14/2010
	33247-1-BLK	BLK	33247-1-BLK	1035	S	33247	83057	-----	06/11/2010	06/14/2010	06/14/2010
	33247-1-BSD	BSD	33247-1-BSD	1035	S	33247	83057	-----	06/11/2010	06/14/2010	06/14/2010
	Gude-SO-DUP-1	Initial	10061114-012	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS4-SO-0 to 1	Initial	10061114-004	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS8-SO-0 to 1	Initial	10061114-008	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010

Analytical Data Package Information Summary for W.O 10061114

Report Prepared For: EA Engineering, Sparks, MD
 Project Name: Gude Landfill
 Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed
SW846 8260B	Gude-SS8-SO-0 to 1	Initial	10061114-008	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1035	S	33247	83057	06/11/2010	06/11/2010	06/14/2010	06/14/2010
SW846 8270C	33333-1-BKS	BKS	33333-1-BKS	1040	S	33333	83295	-----	06/11/2010	06/23/2010	06/24/2010
	33333-1-BLK	BLK	33333-1-BLK	1040	S	33333	83295	-----	06/11/2010	06/23/2010	06/24/2010
	33333-1-BSD	BSD	33333-1-BSD	1040	S	33333	83295	-----	06/11/2010	06/23/2010	06/24/2010
	Gude-SS1-SO-0 to 1	Initial	10061114-001	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS2-SO-0 to 1	Initial	10061114-002	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS2-SO-0 to 1 S	MS	10061114-002 S	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS2-SO-0 to 1 SD	MSD	10061114-002 SD	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS3-SO-0 to 1	Initial	10061114-003	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
SW846 9014	Gude-SS8-SO-0 to 1	Initial	10061114-008	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1040	S	33333	83295	06/11/2010	06/11/2010	06/23/2010	06/24/2010
	Gude-SO-DUP-1	Initial	10061114-012	1040	S	33333	83353	06/11/2010	06/11/2010	06/23/2010	06/25/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1040	S	33333	83353	06/11/2010	06/11/2010	06/23/2010	06/25/2010
	Gude-SS4-SO-0 to 1	Initial	10061114-004	1040	S	33333	83353	06/11/2010	06/11/2010	06/23/2010	06/25/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1040	S	33333	83353	06/11/2010	06/11/2010	06/23/2010	06/25/2010
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1040	S	33333	83353	06/11/2010	06/11/2010	06/23/2010	06/25/2010
	83306-1-BKS	BKS	83306-1-BKS	1022	S	83306	83306	-----	06/11/2010	06/23/2010	06/23/2010
	83306-1-BLK	BLK	83306-1-BLK	1022	S	83306	83306	-----	06/11/2010	06/23/2010	06/23/2010
	83306-1-BSD	BSD	83306-1-BSD	1022	S	83306	83306	-----	06/11/2010	06/23/2010	06/23/2010
Gude-SS1-SO-0 to 1	Initial	10061114-001	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010	
Gude-SS1-SO-0 to 1 S	MS	10061114-001 S	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010	
Gude-SS1-SO-0 to 1 SD	MSD	10061114-001 SD	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010	
Gude-SS2-SO-0 to 1	Initial	10061114-002	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010	
Gude-SS3-SO-0 to 1	Initial	10061114-003	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010	

Analytical Data Package Information Summary for W.O 10061114

Report Prepared For: EA Engineering, Sparks, MD

Project Name: Gude Landfill

Project Manager: Pete Lekas



Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Received	Prepared	Analyzed
SW846 9014	Gude-SS4-SO-0 to 1	Initial	10061114-004	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010
	Gude-SS5-SO-0 to 1	Initial	10061114-005	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010
	Gude-SS6-SO-0 to 1	Initial	10061114-006	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010
	Gude-SS7-SO-0 to 1	Initial	10061114-007	1022	S	83306	83306	06/11/2010	06/11/2010	06/23/2010	06/23/2010
	83308-1-BKS	BKS	83308-1-BKS	1022	S	83308	83308	-----	06/11/2010	06/24/2010	06/24/2010
	83308-1-BLK	BLK	83308-1-BLK	1022	S	83308	83308	-----	06/11/2010	06/24/2010	06/24/2010
	Gude-SO-DUP-1	Initial	10061114-012	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS10-SO-0 to 1	Initial	10061114-010	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS11-SO-0 to 1	Initial	10061114-011	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS8-SO-0 to 1	Initial	10061114-008	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS8-SO-0 to 1 S	MS	10061114-008 S	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS8-SO-0 to 1 SD	MSD	10061114-008 SD	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010
	Gude-SS9-SO-0 to 1	Initial	10061114-009	1022	S	83308	83308	06/11/2010	06/11/2010	06/24/2010	06/24/2010



Blank Summary 10061114

EA Engineering, Sparks, MD

Gude

Sample Id: 33247-1-BLK

Matrix: SOLID

Lab Sample Id: 33247-1-BLK

Analytical Method: SW846 8260B

Prep Method: SW5030

Date Analyzed: Jun-14-10 14:44

Analyst: 1035

Date Prep: Jun-14-10 12:00

Tech: 1035

Seq Number: 83057

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	5	2.5	ug/kg	U	1
Chloromethane	74-87-3	ND	5	2.5	ug/kg	U	1
Vinyl Chloride	75-01-4	ND	5	2.5	ug/kg	U	1
Bromomethane	74-83-9	ND	5	2.5	ug/kg	U	1
Chloroethane	75-00-3	ND	5	2.5	ug/kg	U	1
Acetone	67-64-1	ND	20	10	ug/kg	U	1
Trichlorofluoromethane	75-69-4	ND	5	2.5	ug/kg	U	1
1,1-Dichloroethene	75-35-4	ND	5	2.5	ug/kg	U	1
Methylene chloride	75-09-2	ND	5	2.5	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	ND	5	2.5	ug/kg	U	1
1,1-Dichloroethane	75-34-3	ND	5	2.5	ug/kg	U	1
Vinyl acetate	108-05-4	ND	5	2.5	ug/kg	U	1
2-Butanone (MEK)	78-93-3	ND	20	10	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	ND	5	2.5	ug/kg	U	1
Bromochloromethane	74-97-5	ND	5	2.5	ug/kg	U	1
Chloroform	67-66-3	ND	5	2.5	ug/kg	U	1
2,2-Dichloropropane	594-20-7	ND	5	2.5	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	ND	5	2.5	ug/kg	U	1
1,2-Dichloroethane	107-06-2	ND	5	2.5	ug/kg	U	1
1,1-Dichloropropene	563-58-6	ND	5	2.5	ug/kg	U	1
Carbon tetrachloride	56-23-5	ND	5	2.5	ug/kg	U	1
Benzene	71-43-2	ND	5	2.5	ug/kg	U	1
Dibromomethane	74-95-3	ND	5	2.5	ug/kg	U	1
1,2-Dichloropropane	78-87-5	ND	5	2.5	ug/kg	U	1
Carbon Disulfide	75-15-0	ND	10	5.0	ug/kg	U	1
Trichloroethene	79-01-6	ND	5	2.5	ug/kg	U	1
Acrylonitrile	107-13-1	ND	20	10	ug/kg	U	1
Bromodichloromethane	75-27-4	ND	5	2.5	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	5	2.5	ug/kg	U	1
4-Methyl-2-Pentanone (MIBK)	108-10-1	ND	20	10	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	5	2.5	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	ND	5	2.5	ug/kg	U	1
Toluene	108-88-3	ND	5	2.5	ug/kg	U	1
1,3-Dichloropropane	142-28-9	ND	5	2.5	ug/kg	U	1
2-Hexanone (MBK)	591-78-6	ND	20	10	ug/kg	U	1
1,2-Dibromoethane	106-93-4	ND	5	2.5	ug/kg	U	1
Dibromochloromethane	124-48-1	ND	5	2.5	ug/kg	U	1
Acrolein	107-02-8	ND	20	10	ug/kg	U	1
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	2.5	ug/kg	U	1
Bromoform	75-25-2	ND	5	2.5	ug/kg	U	1
trans-1,4-dichloro-2-butene	110-57-6	ND	5	2.5	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD

Gude

Sample Id: 33247-1-BLK

Matrix: SOLID

Lab Sample Id: 33247-1-BLK

Analytical Method: SW846 8260B

Prep Method: SW5030

Date Analyzed: Jun-14-10 14:44

Analyst: 1035

Date Prep: Jun-14-10 12:00

Tech: 1035

Seq Number: 83057

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Tetrachloroethene	127-18-4	ND	5	2.5	ug/kg	U	1
Chlorobenzene	108-90-7	ND	5	2.5	ug/kg	U	1
Ethylbenzene	100-41-4	ND	5	2.5	ug/kg	U	1
m&p-Xylene	108-38-3	ND	10	5.0	ug/kg	U	1
Styrene	100-42-5	ND	5	2.5	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	2.5	ug/kg	U	1
o-Xylene	95-47-6	ND	5	2.5	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	ND	5	2.5	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	ND	5	2.5	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	ND	5	2.5	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	ND	5	2.5	ug/kg	U	1
1,2-Dibromo-3-chloropropane	96-12-8	ND	40	20	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	5	2.5	ug/kg	U	1
Iodomethane	74-88-4	ND	20	10	ug/kg	U	1
Naphthalene	91-20-3	ND	5	2.5	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	5	2.5	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD

Gude

Sample Id: 33325-1-BLK
Lab Sample Id: 33325-1-BLK

Matrix: SOLID

Analytical Method: SW846 8081B

Prep Method: SW3550

Date Analyzed: Jun-23-10 10:56

Analyst: 1029

Date Prep: Jun-22-10 16:13

Tech: 1016

Seq Number: 83257

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
alpha-BHC	319-84-6	ND	20	9.9	ug/kg	U	1
gamma-BHC (Lindane)	58-89-9	ND	20	9.9	ug/kg	U	1
beta-BHC	319-85-7	ND	20	9.9	ug/kg	U	1
delta-BHC	319-86-8	ND	20	9.9	ug/kg	U	1
Heptachlor	76-44-8	ND	20	9.9	ug/kg	U	1
Aldrin	309-00-2	ND	20	9.9	ug/kg	U	1
Heptachlor epoxide	1024-57-3	ND	20	9.9	ug/kg	U	1
gamma-Chlordane	5103-74-2	ND	20	9.9	ug/kg	U	1
alpha-Chlordane	5103-71-9	ND	20	9.9	ug/kg	U	1
4,4-DDE	72-55-9	ND	20	9.9	ug/kg	U	1
Endosulfan I	959-98-8	ND	20	9.9	ug/kg	U	1
Dieldrin	60-57-1	ND	20	9.9	ug/kg	U	1
Endrin	72-20-8	ND	20	9.9	ug/kg	U	1
4,4-DDD	72-54-8	ND	20	9.9	ug/kg	U	1
Endosulfan II	33213-65-9	ND	20	9.9	ug/kg	U	1
4,4-DDT	50-29-3	ND	20	9.9	ug/kg	U	1
Endrin aldehyde	7421-93-4	ND	20	9.9	ug/kg	U	1
Methoxychlor	72-43-5	ND	20	9.9	ug/kg	U	1
Endosulfan sulfate	1031-07-8	ND	20	9.9	ug/kg	U	1
Endrin ketone	53494-70-5	ND	20	9.9	ug/kg	U	1
Toxaphene	8001-35-2	ND	200	99	ug/kg	U	1
Chlordane	57-74-9	ND	200	99	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD

Gude

Sample Id: 33333-1-BLK

Matrix: SOLID

Lab Sample Id: 33333-1-BLK

Analytical Method: SW846 8270C

Prep Method: SW3550

Date Analyzed: Jun-24-10 16:18

Analyst: 1040

Date Prep: Jun-23-10 09:43

Tech: 1022

Seq Number: 83295

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Acenaphthene	83-32-9	ND	170	83	ug/kg	U	1
Acenaphthylene	208-96-8	ND	170	83	ug/kg	U	1
Acetophenone	98-86-2	ND	170	83	ug/kg	U	1
Anthracene	120-12-7	ND	170	83	ug/kg	U	1
Benzo(a)anthracene	56-55-3	ND	170	83	ug/kg	U	1
Benzo(a)pyrene	50-32-8	ND	170	83	ug/kg	U	1
Benzo(b)fluoranthene	205-99-2	ND	170	83	ug/kg	U	1
Benzo(g,h,i)perylene	191-24-2	ND	170	83	ug/kg	U	1
Benzo(k)fluoranthene	207-08-9	ND	170	83	ug/kg	U	1
Benzyl butyl phthalate	85-68-7	ND	170	83	ug/kg	U	1
bis(2-chloroethoxy) methane	111-91-1	ND	170	83	ug/kg	U	1
bis(2-chloroethyl) ether	111-44-4	ND	170	83	ug/kg	U	1
bis(2-chloroisopropyl) ether	108-60-1	ND	170	83	ug/kg	U	1
bis(2-ethylhexyl) phthalate	117-81-7	ND	170	83	ug/kg	U	1
4-Bromophenylphenyl ether	101-55-3	ND	170	83	ug/kg	U	1
Di-n-butyl phthalate	84-74-2	ND	330	170	ug/kg	U	1
4-Chloro-3-methylphenol	59-50-7	ND	170	83	ug/kg	U	1
4-Chloroaniline	106-47-8	ND	330	170	ug/kg	U	1
2-Chloronaphthalene	91-58-7	ND	170	83	ug/kg	U	1
2-Chlorophenol	95-57-8	ND	170	83	ug/kg	U	1
4-Chlorophenyl phenyl ether	7005-72-3	ND	170	83	ug/kg	U	1
Chrysene	218-01-9	ND	170	83	ug/kg	U	1
Dibenz(a,h)Anthracene	53-70-3	ND	170	83	ug/kg	U	1
Dibenzofuran	132-64-9	ND	170	83	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	ND	170	83	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	ND	170	83	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	ND	170	83	ug/kg	U	1
3,3-Dichlorobenzidine	91-94-1	ND	170	83	ug/kg	U	1
2,4-Dichlorophenol	120-83-2	ND	170	83	ug/kg	U	1
Diethyl phthalate	84-66-2	ND	170	83	ug/kg	U	1
Dimethyl phthalate	131-11-3	ND	170	83	ug/kg	U	1
2,4-Dimethylphenol	105-67-9	ND	170	83	ug/kg	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	ND	170	83	ug/kg	U	1
2,4-Dinitrophenol	51-28-5	ND	330	170	ug/kg	U	1
2,4-Dinitrotoluene	121-14-2	ND	170	83	ug/kg	U	1
2,6-Dinitrotoluene	606-20-2	ND	170	83	ug/kg	U	1
Fluoranthene	206-44-0	ND	170	83	ug/kg	U	1
Fluorene	86-73-7	ND	170	83	ug/kg	U	1
Hexachlorobenzene	118-74-1	ND	170	83	ug/kg	U	1
Hexachlorobutadiene	87-68-3	ND	170	83	ug/kg	U	1
Hexachlorocyclopentadiene	77-47-4	ND	170	83	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD

Gude

Sample Id: 33333-1-BLK
Lab Sample Id: 33333-1-BLK

Matrix: SOLID

Analytical Method: SW846 8270C

Prep Method: SW3550

Date Analyzed: Jun-24-10 16:18

Analyst: 1040

Date Prep: Jun-23-10 09:43

Tech: 1022

Seq Number: 83295

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Hexachloroethane	67-72-1	ND	170	83	ug/kg	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	ND	170	83	ug/kg	U	1
Isophorone	78-59-1	ND	170	83	ug/kg	U	1
2-Methylnaphthalene	91-57-6	ND	170	83	ug/kg	U	1
2-Methylphenol	95-48-7	ND	170	83	ug/kg	U	1
3&4-Methylphenol		ND	170	83	ug/kg	U	1
Naphthalene	91-20-3	ND	170	83	ug/kg	U	1
4-Nitroaniline	100-01-6	ND	170	83	ug/kg	U	1
3-Nitroaniline	99-09-2	ND	170	83	ug/kg	U	1
2-Nitroaniline	88-74-4	ND	330	170	ug/kg	U	1
Nitrobenzene	98-95-3	ND	170	83	ug/kg	U	1
2-Nitrophenol	88-75-5	ND	170	83	ug/kg	U	1
4-Nitrophenol	100-02-7	ND	170	83	ug/kg	U	1
N-Nitrosodimethylamine	62-75-9	ND	170	83	ug/kg	U	1
N-Nitrosodi-n-propylamine	621-64-7	ND	170	83	ug/kg	U	1
N-Nitrosodiphenylamine	86-30-6	ND	170	83	ug/kg	U	1
Di-n-octyl phthalate	117-84-0	ND	170	83	ug/kg	U	1
1,2,4,5-Tetrachlorobenzene	95-94-3	ND	170	83	ug/kg	U	1
Pentachlorophenol	87-86-5	ND	330	170	ug/kg	U	1
Phenanthrene	85-01-8	ND	170	83	ug/kg	U	1
Phenol	108-95-2	ND	170	83	ug/kg	U	1
Pyrene	129-00-0	ND	170	83	ug/kg	U	1
2,3,4,6-Tetrachlorophenol	58-90-2	ND	170	83	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	170	83	ug/kg	U	1
2,4,6-Trichlorophenol	88-06-2	ND	170	83	ug/kg	U	1
2,4,5-Trichlorophenol	95-95-4	ND	170	83	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD
Gude

Sample Id: 33335-1-BLK
Lab Sample Id: 33335-1-BLK

Matrix: SOLID

Analytical Method: SW846 6020

Prep Method: SW3050B

Date Analyzed: Jun-24-10 20:11

Analyst: 1033

Date Prep: Jun-23-10 12:12

Tech: 1034

Seq Number: 83293

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Antimony	7440-36-0	ND	2.5	1.3	mg/kg	U	1
Arsenic	7440-38-2	ND	0.5	0.3	mg/kg	U	1
Barium	7440-39-3	ND	2.5	1.3	mg/kg	U	1
Beryllium	7440-41-7	ND	2.5	1.3	mg/kg	U	1
Cadmium	7440-43-9	ND	2.5	1.3	mg/kg	U	1
Chromium	7440-47-3	ND	2.5	1.3	mg/kg	U	1
Cobalt	7440-48-4	ND	2.5	1.3	mg/kg	U	1
Copper	7440-50-8	ND	2.5	1.3	mg/kg	U	1
Lead	7439-92-1	ND	2.5	1.3	mg/kg	U	1
Mercury	7439-97-6	0.1000	0.10	0.05	mg/kg	B	1
Nickel	7440-02-0	ND	2.5	1.3	mg/kg	U	1
Selenium	7782-49-2	ND	2.5	1.3	mg/kg	U	1
Silver	7440-22-4	ND	2.5	1.3	mg/kg	U	1
Thallium	7440-28-0	ND	2.0	1.0	mg/kg	U	1
Tin	7440-31-5	ND	5.0	2.5	mg/kg	U	1
Vanadium	7440-62-2	ND	2.5	1.3	mg/kg	U	1
Zinc	7440-66-6	ND	10	5.0	mg/kg	U	1

Analytical Method: SW846 6020

Prep Method: SW3050B

Date Analyzed: Jun-25-10 17:29

Analyst: 1033

Date Prep: Jun-23-10 12:12

Tech: 1034

Seq Number: 83322

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Antimony	7440-36-0	ND	2.5	1.3	mg/kg	U	1
Arsenic	7440-38-2	ND	0.5	0.3	mg/kg	U	1
Barium	7440-39-3	ND	2.5	1.3	mg/kg	U	1
Beryllium	7440-41-7	ND	2.5	1.3	mg/kg	U	1
Cadmium	7440-43-9	ND	2.5	1.3	mg/kg	U	1
Chromium	7440-47-3	ND	2.5	1.3	mg/kg	U	1
Cobalt	7440-48-4	ND	2.5	1.3	mg/kg	U	1
Copper	7440-50-8	ND	2.5	1.3	mg/kg	U	1
Lead	7439-92-1	ND	2.5	1.3	mg/kg	U	1
Mercury	7439-97-6	ND	0.10	0.05	mg/kg	U	1
Nickel	7440-02-0	ND	2.5	1.3	mg/kg	U	1
Selenium	7782-49-2	ND	2.5	1.3	mg/kg	U	1
Silver	7440-22-4	ND	2.5	1.3	mg/kg	U	1
Thallium	7440-28-0	ND	2.0	1.0	mg/kg	U	1
Tin	7440-31-5	ND	5.0	2.5	mg/kg	U	1
Vanadium	7440-62-2	ND	2.5	1.3	mg/kg	U	1
Zinc	7440-66-6	ND	10	5.0	mg/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD
Gude

Sample Id: 33341-1-BLK
Lab Sample Id: 33341-1-BLK

Matrix: SOLID

Analytical Method: SW846 8082A

Prep Method: SW3550

Date Analyzed: Jun-24-10 09:42

Analyst: 1029

Date Prep: Jun-23-10 16:21

Tech: 1016

Seq Number: 83290

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
PCB-1016	12674-11-2	ND	0.1	0.0	mg/kg	U	1
PCB-1221	11104-28-2	ND	0.1	0.0	mg/kg	U	1
PCB-1232	11141-16-5	ND	0.1	0.0	mg/kg	U	1
PCB-1242	53469-21-9	ND	0.1	0.0	mg/kg	U	1
PCB-1248	12672-29-6	ND	0.1	0.0	mg/kg	U	1
PCB-1254	11097-69-1	ND	0.1	0.0	mg/kg	U	1
PCB-1260	11096-82-5	ND	0.1	0.0	mg/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD
Gude

Sample Id: **33347-1-BLK** Matrix: **SOLID**
Lab Sample Id: **33347-1-BLK**

Analytical Method: **SW846 8151A** Prep Method: **SW8151A_PREP**
Date Analyzed: Jun-25-10 15:16 Analyst: 1029 Date Prep: Jun-24-10 11:13 Tech: 1028
Seq Number: 83315

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
2,4-D	94-75-7	ND	200	100	ug/kg	U	1
2,4,5-IP (Silvex)	93-72-1	ND	20	10	ug/kg	U	1
2,4,5-I	93-76-5	ND	20	10	ug/kg	U	1
Dinoseb	88-85-7	ND	100	50	ug/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD
Gude

Sample Id: 83306-1-BLK
Lab Sample Id: 83306-1-BLK

Matrix: SOLID

Analytical Method: SW846 9014

Prep Method:

Date Analyzed: Jun-23-10 00:00

Analyst: 1022

Date Prep:

Tech: 1022

Seq Number: 83306

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Cyanide, Total	57-12-5	ND	2.5	1.3	mg/kg	U	1



Blank Summary 10061114

EA Engineering, Sparks, MD
Gude

Sample Id: 83308-1-BLK	Matrix: SOLID
Lab Sample Id: 83308-1-BLK	

Analytical Method: SW846 9014	Prep Method:						
Date Analyzed: Jun-24-10 00:00	Analyst: 1022	Date Prep:			Tech: 1022		
	Seq Number: 83308						
Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Cyanide, Total	57-12-5	ND	2.5	13	mg/kg	U	1



Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83257

Sample: 10061114-004 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	26.9	25.00	108	55-143	
Tetrachloro-m-xylene	21.1	25.00	84	32-133	

Lab Batch #: 83257

Sample: 10061114-005 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	24.6	25.00	99	55-143	
Tetrachloro-m-xylene	21.2	25.00	85	32-133	

Lab Batch #: 83257

Sample: 10061114-005 S / MS

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	24.2	25.00	97	55-143	
Tetrachloro-m-xylene	22.0	25.00	88	32-133	

Lab Batch #: 83257

Sample: 10061114-005 SD / MSD

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	26.0	25.00	104	55-143	
Tetrachloro-m-xylene	21.6	25.00	87	32-133	

Lab Batch #: 83257

Sample: 10061114-006 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	25.0	25.00	100	55-143	
Tetrachloro-m-xylene	18.3	25.00	73	32-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Project ID: N/A

Work Order #: 10061114

Lab Batch #: 83257

Sample: 10061114-008 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	23.7	25.00	95	55-143	
Tetrachloro-m-xylene	18.1	25.00	72	32-133	

Lab Batch #: 83257

Sample: 10061114-010 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	28.4	25.00	114	55-143	
Tetrachloro-m-xylene	21.9	25.00	87	32-133	

Lab Batch #: 83257

Sample: 10061114-011 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.0	25.00	88	55-143	
Tetrachloro-m-xylene	22.2	25.00	89	32-133	

Lab Batch #: 83257

Sample: 33325-1-BKS / BKS

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	23.9	25.00	96	55-143	
Tetrachloro-m-xylene	23.6	25.00	94	32-133	

Lab Batch #: 83257

Sample: 33325-1-BLK / BLK

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.0	25.00	88	55-143	
Tetrachloro-m-xylene	21.1	25.00	84	32-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Lab Batch #: 83257

Units: ug/kg

Sample: 33325-1-BSD / BSD

Project ID: N/A

Matrix: Solid

Organochlorine Pesticides Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Decachlorobiphenyl	23.9	25.00	96	55-143	
Tetrachloro-m-xylene	23.4	25.00	94	32-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = $100 * A / B$

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83258

Sample: 10061114-001 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.7	25.00	91	55-143	
Tetrachloro-m-xylene	21.8	25.00	87	32-133	

Lab Batch #: 83258

Sample: 10061114-002 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	25.5	25.00	102	55-143	
Tetrachloro-m-xylene	20.7	25.00	83	32-133	

Lab Batch #: 83258

Sample: 10061114-003 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	26.8	25.00	107	55-143	
Tetrachloro-m-xylene	24.0	25.00	96	32-133	

Lab Batch #: 83258

Sample: 10061114-007 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.3	25.00	89	55-143	
Tetrachloro-m-xylene	19.3	25.00	77	32-133	

Lab Batch #: 83258

Sample: 10061114-009 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Organochlorine Pesticides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	24.5	25.00	98	55-143	
Tetrachloro-m-xylene	23.6	25.00	94	32-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83258

Sample: 10061114-012 / SMP

Matrix: Soil

Units: ug/kg

Organochlorine Pesticides Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Decachlorobiphenyl	19.6	25.00	78	55-143	
Tetrachloro-m-xylene	17.7	25.00	71	32-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = $100 * A / B$

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83290

Sample: 10061114-003 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	5.8	5.00	115	43-124	
Tetrachloro-m-xylene	3.9	5.00	78	44-97	

Lab Batch #: 83290

Sample: 10061114-008 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	23.6	25.00	94	43-124	
Tetrachloro-m-xylene	16.9	25.00	68	44-97	

Lab Batch #: 83290

Sample: 10061114-010 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	25.4	25.00	101	43-124	
Tetrachloro-m-xylene	21.1	25.00	84	44-97	

Lab Batch #: 83290

Sample: 10061114-012 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	19.9	25.00	79	43-124	
Tetrachloro-m-xylene	15.5	25.00	62	44-97	

Lab Batch #: 83290

Sample: 10062211-002 S / MS

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	20.2	25.00	81	43-124	
Tetrachloro-m-xylene	14.3	25.00	57	44-97	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Form 2 - Surrogate Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83290

Sample: 10062211-002 SD / MSD

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.4	25.00	89	43-124	
Tetrachloro-m-xylene	15.4	25.00	62	44-97	

Lab Batch #: 83290

Sample: 33341-1-BKS / BKS

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.0	25.00	88	43-124	
Tetrachloro-m-xylene	17.3	25.00	69	44-97	

Lab Batch #: 83290

Sample: 33341-1-BLK / BLK

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	20.6	25.00	82	43-124	
Tetrachloro-m-xylene	17.4	25.00	70	44-97	

Lab Batch #: 83290

Sample: 33341-1-BSD / BSD

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	22.6	25.00	90	43-124	
Tetrachloro-m-xylene	18.5	25.00	74	44-97	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Project ID: N/A

Work Order #: 10061114

Lab Batch #: 83291

Sample: 10061114-001 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	28.0	25.00	112	43-124	
Tetrachloro-m-xylene	19.7	25.00	79	44-97	

Lab Batch #: 83291

Sample: 10061114-002 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	25.4	25.00	101	43-124	
Tetrachloro-m-xylene	18.1	25.00	72	44-97	

Lab Batch #: 83291

Sample: 10061114-004 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	29.4	25.00	118	43-124	
Tetrachloro-m-xylene	21.2	25.00	85	44-97	

Lab Batch #: 83291

Sample: 10061114-005 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	28.2	25.00	113	43-124	
Tetrachloro-m-xylene	21.0	25.00	84	44-97	

Lab Batch #: 83291

Sample: 10061114-006 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Polychlorinated Biphenyls	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	29.4	25.00	117	43-124	
Tetrachloro-m-xylene	18.2	25.00	73	44-97	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

Project ID: N/A

Work Order #: 10061114

Lab Batch #: 83291

Sample: 10061114-007 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Polychlorinated Biphenyls Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Decachlorobiphenyl	27.5	25.00	110	43-124	
Tetrachloro-m-xylene	17.4	25.00	69	44-97	

Lab Batch #: 83291

Sample: 10061114-009 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Polychlorinated Biphenyls Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Decachlorobiphenyl	29.7	25.00	119	43-124	
Tetrachloro-m-xylene	22.3	25.00	89	44-97	

Lab Batch #: 83291

Sample: 10061114-011 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Polychlorinated Biphenyls Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Decachlorobiphenyl	27.3	25.00	109	43-124	
Tetrachloro-m-xylene	22.4	25.00	90	44-97	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/25/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83315

Sample: 10061114-001 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	66.9	50.00	134	40-165	

Lab Batch #: 83315

Sample: 10061114-001 S / MS

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	67.7	50.00	135	40-165	

Lab Batch #: 83315

Sample: 10061114-001 SD / MSD

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	64.8	50.00	130	40-165	

Lab Batch #: 83315

Sample: 10061114-002 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	71.0	50.00	142	40-165	

Lab Batch #: 83315

Sample: 10061114-003 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	67.8	50.00	136	40-165	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/25/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83315

Sample: 10061114-004 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	63.7	50.00	127	40-165	

Lab Batch #: 83315

Sample: 10061114-005 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	73.3	50.00	147	40-165	

Lab Batch #: 83315

Sample: 10061114-006 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	74.6	50.00	149	40-165	

Lab Batch #: 83315

Sample: 10061114-007 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	128	50.00	257	40-165	**

Lab Batch #: 83315

Sample: 10061114-008 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	71.5	50.00	143	40-165	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/25/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83315

Sample: 10061114-009 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	60.0	50.00	120	40-165	

Lab Batch #: 83315

Sample: 10061114-010 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	66.6	50.00	133	40-165	

Lab Batch #: 83315

Sample: 10061114-011 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	63.5	50.00	127	40-165	

Lab Batch #: 83315

Sample: 10061114-012 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	69.6	50.00	139	40-165	

Lab Batch #: 83315

Sample: 33347-1-BKS / BKS

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
2,4-Dichlorophenylacetic Acid	53.5	50.00	107	40-165	

* Surrogate outside of Laboratory QC limits
Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/25/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83315

Sample: 33347-1-BLK / BLK

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2,4-Dichlorophenylacetic Acid	48.8	50.00	98	40-165	

Lab Batch #: 83315

Sample: 33347-1-BSD / BSD

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Chlorinated Herbicides Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2,4-Dichlorophenylacetic Acid	49.7	50.00	99	40-165	

* Surrogate outside of Laboratory QC limits
Surrogate Recovery [C] = 100 * A / B



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83057

Sample: 10061114-001 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.2	50.00	106	90-113	
Toluene-D8	50.1	50.00	100	90-108	
4-Bromofluorobenzene	50.5	50.00	101	79-125	

Lab Batch #: 83057

Sample: 10061114-002 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.9	50.00	104	90-113	
Toluene-D8	50.3	50.00	101	90-108	
4-Bromofluorobenzene	50.5	50.00	101	79-125	

Lab Batch #: 83057

Sample: 10061114-003 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.1	50.00	106	90-113	
Toluene-D8	49.9	50.00	100	90-108	
4-Bromofluorobenzene	50.1	50.00	100	79-125	

Lab Batch #: 83057

Sample: 10061114-004 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	52.9	50.00	106	90-113	
Toluene-D8	49.9	50.00	100	90-108	
4-Bromofluorobenzene	49.7	50.00	99	79-125	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83057

Sample: 10061114-005 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.5	50.00	107	90-113	
Toluene-D8	49.9	50.00	100	90-108	
4-Bromofluorobenzene	50.6	50.00	101	79-125	

Lab Batch #: 83057

Sample: 10061114-006 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.2	50.00	106	90-113	
Toluene-D8	50.1	50.00	100	90-108	
4-Bromofluorobenzene	49.6	50.00	99	79-125	

Lab Batch #: 83057

Sample: 10061114-007 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.0	50.00	106	90-113	
Toluene-D8	49.7	50.00	99	90-108	
4-Bromofluorobenzene	50.0	50.00	100	79-125	

Lab Batch #: 83057

Sample: 10061114-008 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	52.6	50.00	105	90-113	
Toluene-D8	49.7	50.00	99	90-108	
4-Bromofluorobenzene	50.1	50.00	100	79-125	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83057

Sample: 10061114-009 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.5	50.00	107	90-113	
Toluene-D8	50.3	50.00	101	90-108	
4-Bromofluorobenzene	50.1	50.00	100	79-125	

Lab Batch #: 83057

Sample: 10061114-010 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	53.2	50.00	106	90-113	
Toluene-D8	49.5	50.00	99	90-108	
4-Bromofluorobenzene	50.1	50.00	100	79-125	

Lab Batch #: 83057

Sample: 10061114-011 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	52.9	50.00	106	90-113	
Toluene-D8	50.0	50.00	100	90-108	
4-Bromofluorobenzene	49.9	50.00	100	79-125	

Lab Batch #: 83057

Sample: 10061114-012 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Volatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	52.9	50.00	106	90-113	
Toluene-D8	49.3	50.00	99	90-108	
4-Bromofluorobenzene	49.9	50.00	100	79-125	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83057

Sample: 33247-1-BKS / BKS

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	52.0	50.00	104	90-113	
Toluene-D8	50.5	50.00	101	90-108	
4-Bromofluorobenzene	47.4	50.00	95	79-125	

Lab Batch #: 83057

Sample: 33247-1-BLK / BLK

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	51.4	50.00	103	90-113	
Toluene-D8	50.3	50.00	101	90-108	
4-Bromofluorobenzene	50.3	50.00	101	79-125	

Lab Batch #: 83057

Sample: 33247-1-BSD / BSD

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
Volatile Organic Compounds	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	52.1	50.00	104	90-113	
Toluene-D8	51.1	50.00	102	90-108	
4-Bromofluorobenzene	47.2	50.00	94	79-125	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/30/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83295

Sample: 10061114-001 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	4730	3320	143	48-112	**
2-Fluorophenol	9370	6630	141	45-107	**
Nitrobenzene-d5	5090	3320	154	44-98	**
Phenol-d6	9500	6630	143	38-100	**
Terphenyl-D14	6090	3320	184	34-165	**
2,4,6-Tribromophenol	9440	6630	142	44-104	**

Lab Batch #: 83295

Sample: 10061114-002 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2730	3330	82	48-112	
2-Fluorophenol	5350	6660	80	45-107	
Nitrobenzene-d5	2800	3330	84	44-98	
Phenol-d6	5320	6660	80	38-100	
Terphenyl-D14	3290	3330	99	34-165	
2,4,6-Tribromophenol	5190	6660	78	44-104	

Lab Batch #: 83295

Sample: 10061114-002 S / MS

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3190	3320	96	48-112	
2-Fluorophenol	6260	6650	94	45-107	
Nitrobenzene-d5	3200	3320	96	44-98	
Phenol-d6	6160	6650	93	38-100	
Terphenyl-D14	4180	3320	126	34-165	
2,4,6-Tribromophenol	6800	6650	102	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/30/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83295

Sample: 10061114-002 SD / MSD

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3180	3320	96	48-112	
2-Fluorophenol	5810	6630	88	45-107	
Nitrobenzene-d5	3190	3320	96	44-98	
Phenol-d6	5860	6630	88	38-100	
Terphenyl-D14	3680	3320	111	34-165	
2,4,6-Tribromophenol	5640	6630	85	44-104	

Lab Batch #: 83295

Sample: 10061114-003 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2730	3330	82	48-112	
2-Fluorophenol	5640	6660	85	45-107	
Nitrobenzene-d5	2900	3330	87	44-98	
Phenol-d6	5680	6660	85	38-100	
Terphenyl-D14	3190	3330	96	34-165	
2,4,6-Tribromophenol	5880	6660	88	44-104	

Lab Batch #: 83295

Sample: 10061114-006 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2800	3320	84	48-112	
2-Fluorophenol	5670	6640	85	45-107	
Nitrobenzene-d5	3000	3320	90	44-98	
Phenol-d6	5740	6640	86	38-100	
Terphenyl-D14	3890	3320	117	34-165	
2,4,6-Tribromophenol	5910	6640	89	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/30/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83295

Sample: 10061114-008 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2680	3320	81	48-112	
2-Fluorophenol	5440	6640	82	45-107	
Nitrobenzene-d5	2870	3320	87	44-98	
Phenol-d6	5530	6640	83	38-100	
Terphenyl-D14	3500	3320	105	34-165	
2,4,6-Tribromophenol	5830	6640	88	44-104	

Lab Batch #: 83295

Sample: 10061114-009 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3080	3330	93	48-112	
2-Fluorophenol	5800	6650	87	45-107	
Nitrobenzene-d5	3150	3330	95	44-98	
Phenol-d6	5840	6650	88	38-100	
Terphenyl-D14	3580	3330	108	34-165	
2,4,6-Tribromophenol	5560	6650	84	44-104	

Lab Batch #: 83295

Sample: 10061114-010 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2800	3320	84	48-112	
2-Fluorophenol	5780	6650	87	45-107	
Nitrobenzene-d5	2960	3320	89	44-98	
Phenol-d6	5780	6650	87	38-100	
Terphenyl-D14	3290	3320	99	34-165	
2,4,6-Tribromophenol	6190	6650	93	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

08/30/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83295

Sample: 33333-1-BKS / BKS

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3310	3330	100	48-112	
2-Fluorophenol	6440	6650	97	45-107	
Nitrobenzene-d5	3380	3330	101	44-98	*
Phenol-d6	6280	6650	94	38-100	
Terphenyl-D14	3490	3330	105	34-165	
2,4,6-Tribromophenol	6030	6650	91	44-104	

Lab Batch #: 83295

Sample: 33333-1-BLK / BLK

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2980	3330	89	48-112	
2-Fluorophenol	6210	6660	93	45-107	
Nitrobenzene-d5	3280	3330	98	44-98	
Phenol-d6	6020	6660	90	38-100	
Terphenyl-D14	3240	3330	97	34-165	
2,4,6-Tribromophenol	6080	6660	91	44-104	

Lab Batch #: 83295

Sample: 33333-1-BSD / BSD

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3310	3320	100	48-112	
2-Fluorophenol	6430	6650	97	45-107	
Nitrobenzene-d5	3370	3320	101	44-98	*
Phenol-d6	6270	6650	94	38-100	
Terphenyl-D14	3530	3320	106	34-165	
2,4,6-Tribromophenol	6020	6650	91	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83295

Sample: 33333-1-BSD / BSD

Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	3310	3320	100	48-112	
2-Fluorophenol	6430	6650	97	45-107	
Nitrobenzene-d5	3370	3320	101	44-98	*
Phenol-d6	6270	6650	94	38-100	
Terphenyl-D14	3530	3320	106	34-165	
2,4,6-Tribromophenol	6020	6650	91	44-104	

Lab Batch #: 83353

Sample: 10061114-004 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2890	3320	87	48-112	
2-Fluorophenol	5850	6650	88	45-107	
Nitrobenzene-d5	3030	3320	91	44-98	
Phenol-d6	5830	6650	88	38-100	
Terphenyl-D14	3660	3320	110	34-165	
2,4,6-Tribromophenol	5960	6650	90	44-104	

Lab Batch #: 83353

Sample: 10061114-005 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2750	3330	83	48-112	
2-Fluorophenol	5600	6650	84	45-107	
Nitrobenzene-d5	2910	3330	88	44-98	
Phenol-d6	5620	6650	84	38-100	
Terphenyl-D14	3610	3330	108	34-165	
2,4,6-Tribromophenol	5930	6650	89	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228



Form 2 - Surrogate Recoveries

Project Name: Gude

07/29/2010

Work Order #: 10061114

Project ID: N/A

Lab Batch #: 83353

Sample: 10061114-007 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2850	3320	86	48-112	
2-Fluorophenol	5150	6650	77	45-107	
Nitrobenzene-d5	2800	3320	84	44-98	
Phenol-d6	5350	6650	80	38-100	
Terphenyl-D14	3920	3320	118	34-165	
2,4,6-Tribromophenol	5560	6650	84	44-104	

Lab Batch #: 83353

Sample: 10061114-011 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2870	3320	86	48-112	
2-Fluorophenol	5750	6640	87	45-107	
Nitrobenzene-d5	2990	3320	90	44-98	
Phenol-d6	5890	6640	89	38-100	
Terphenyl-D14	4080	3320	123	34-165	
2,4,6-Tribromophenol	6120	6640	92	44-104	

Lab Batch #: 83353

Sample: 10061114-012 / SMP

Matrix: Soil

Units: ug/kg

SURROGATE RECOVERY STUDY

Semivolatile Organic Compounds Analytes	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
2-Fluorobiphenyl	2950	3320	89	48-112	
2-Fluorophenol	5660	6630	85	45-107	
Nitrobenzene-d5	3040	3320	92	44-98	
Phenol-d6	5630	6630	85	38-100	
Terphenyl-D14	3660	3320	110	34-165	
2,4,6-Tribromophenol	5510	6630	83	44-104	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



LCS/LCSD Recoveries

Project Name: Guide

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83290

Units: mg/kg

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Sample: 33341-1-BKS

Method: SW3550 / SW8082

Project ID: N/A

Analyst: 1029

Matrix: Solid

Analytes	BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Polychlorinated Biphenyls	<0.0496	0.4926	0.3894	79	0.4946	0.4025	81	3	59-123	25	
PCB-1016	<0.0496	0.4926	0.4774	97	0.4946	0.4753	96	1	54-152	25	

Relative Percent Difference RPD = $200 * (D-G) / (D+G)$
 Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C) / [B]$
 Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F) / [E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
 = RPD exceeded the laboratory control limits
 = Recovery of BS, BSD or both below the laboratory control limits

Phase Separation Science, Inc.
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 Baltimore, MD 21228



LCS/LCSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83295

Units: ug/kg

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Sample: 33333-1-BKS

Method: SW3550 / SW8270C

Project ID: N/A

Analyst: 1040

Matrix: Solid

Semivolatile Organic Compounds	BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<83.31	1331	1376	103	1329.0	1364	103	0	63-120	30	
Acenaphthylene	<83.31	1331	1391	105	1329.0	1371	103	2	59-125	30	
Acetophenone	<83.31	1331	1422	107	1329.0	1383	104	3	57-122	30	
Anthracene	<83.31	1331	1385	104	1329.0	1347	101	3	63-121	30	
Benzo(a)anthracene	<83.31	1331	1442	108	1329.0	1419	107	1	61-130	30	
Benzo(a)pyrene	<83.31	1331	1536	115	1329.0	1492	112	3	58-141	30	
Benzo(b)fluoranthene	<83.31	1331	1505	113	1329.0	1461	110	3	59-140	30	
Benzo(g,h,i)perylene	<83.31	1331	1597	120	1329.0	1553	117	3	32-158	30	
Benzo(k)fluoranthene	<83.31	1331	1508	113	1329.0	1463	110	3	55-137	30	
Benzyl butyl phthalate	<83.31	1331	1571	118	1329.0	1476	111	6	57-132	30	
bis(2-chloroethoxy) methane	<83.31	1331	1383	104	1329.0	1359	102	2	61-123	30	
bis(2-chloroethyl) ether	<83.31	1331	1451	109	1329.0	1393	105	4	55-127	30	
bis(2-chloroisopropyl) ether	<83.31	1331	1355	102	1329.0	1314	99	3	42-128	30	
bis(2-ethylhexyl) phthalate	<83.31	1331	1499	113	1329.0	1406	106	6	52-142	30	
4-Bromophenylphenyl ether	<83.31	1331	1512	114	1329.0	1497	113	1	66-138	30	
Di-n-butyl phthalate	<166.6	1331	1293	97	1329.0	1259	95	2	54-126	30	
4-Chloro-3-methylphenol	<83.31	1331	1410	106	1329.0	1385	104	2	63-125	30	
4-Chloroaniline	<166.6	1331	1411	106	1329.0	1384	104	2	64-118	30	
2-Chloronaphthalene	<83.31	1331	1369	103	1329.0	1361	102	1	62-117	30	
2-Chlorophenol	<83.31	1331	1463	110	1329.0	1418	107	3	57-128	30	

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Relative Percent Difference RPD = $200 * |(D-G)/(D+G)|$
Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C)/[B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F)/[E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
= RPD exceeded the laboratory control limits
= Recovery of BS, BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name:Gude

Work Order #:10061114

Prep Batch #:1

Lab Batch ID:83295

Units: ug/kg

Sample: 33333-1-BKS

Date Prepared:06/23/2010

Date Analyzed:06/24/2010

Project ID: N/A
Analyst: 1040
Matrix: Solid

Semivolatle Organic Compounds	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
4-Chlorophenyl phenyl ether	<83.31	1331	1325	100	1329.0	1302	98	2	65-129	30	
Chrysene	<83.31	1331	1427	107	1329.0	1393	105	2	62-127	30	
Dibenz(a,h)Anthracene	<83.31	1331	1646	124	1329.0	1593	120	3	43-148	30	
Dibenzofuran	<83.31	1331	1375	103	1329.0	1350	102	1	63-120	30	
3,3-Dichlorobenzidine	<83.31	1331	1438	108	1329.0	1386	104	4	32-138	30	
2,4-Dichlorophenol	<83.31	1331	1482	111	1329.0	1442	109	2	65-127	30	
Diethyl phthalate	<83.31	1331	1285	97	1329.0	1261	95	2	58-124	30	
Dimethyl phthalate	<83.31	1331	1376	103	1329.0	1331	100	3	55-125	30	
2,4-Dimethylphenol	<83.31	1331	1419	107	1329.0	1384	104	3	65-124	30	
4,6-Dinitro-2-methyl phenol	<83.31	1331	1532	115	1329.0	1473	111	4	26-167	30	
2,4-Dinitrophenol	<166.6	1331	1411	106	1329.0	1358	102	4	18-177	30	
2,4-Dinitrotoluene	<83.31	1331	1275	96	1329.0	1249	94	2	60-134	30	
2,6-Dinitrotoluene	<83.31	1331	1386	104	1329.0	1360	102	2	63-136	30	
Fluoranthene	<83.31	1331	1286	97	1329.0	1275	96	1	54-127	30	
Fluorene	<83.31	1331	1302	98	1329.0	1299	98	0	64-119	30	
Hexachlorobenzene	<83.31	1331	1427	107	1329.0	1405	106	1	58-124	30	
Hexachlorobutadiene	<83.31	1331	1452	109	1329.0	1399	105	4	64-128	30	
Hexachlorocyclopentadiene	<83.31	1331	1469	110	1329.0	1405	106	4	26-152	30	
Hexachloroethane	<83.31	1331	1431	108	1329.0	1412	106	2	55-125	30	
Indeno(1,2,3-c,d)pyrene	<83.31	1331	1658	125	1329.0	1586	119	5	38-150	30	

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Relative Percent Difference RPD = $200 * |(D-G)/(D+G)|$
Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C)/[B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F)/[E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
= RPD exceeded the laboratory control limits
= Recovery of BS, BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name: Guide

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83295

Units: ug/kg

Sample: 33333-I-BKS

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Project ID: N/A

Analyst: 1040

Matrix: Solid

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Isophorone	<83.31	1331	1394	105	1329.0	1354	102	3	56-120	30	
2-Methylnaphthalene	<83.31	1331	1344	101	1329.0	1332	100	1	63-120	30	
2-Methylphenol	<83.31	1331	1453	109	1329.0	1401	105	4	57-121	30	
3&4-Methylphenol	<83.31	1331	1401	105	1329.0	1362	102	3	49-123	30	
4-Nitroaniline	<83.31	1331	1160	87	1329.0	1123	84	4	53-128	30	
3-Nitroaniline	<83.31	1331	1401	105	1329.0	1386	104	1	53-132	30	
2-Nitroaniline	<166.6	1331	1491	112	1329.0	1450	109	3	54-131	30	
Nitrobenzene	<83.31	1331	1418	107	1329.0	1372	103	4	53-119	30	
2-Nitrophenol	<83.31	1331	1587	119	1329.0	1560	117	2	65-137	30	
4-Nitrophenol	<83.31	1331	1155	87	1329.0	1113	84	4	50-123	30	
N-Nitrosodimethylamine	<83.31	1331	1388	104	1329.0	1341	101	3	62-123	30	
N-Nitrosodi-n-propylamine	<83.31	1331	1391	105	1329.0	1357	102	3	46-121	30	
N-Nitrosodiphenylamine	<83.31	1331	1482	111	1329.0	1450	109	2	56-129	30	
Di-n-octyl phthalate	<83.31	1331	1495	112	1329.0	1427	107	5	38-144	30	
1,2,4,5-Tetrachlorobenzene	<83.31	1331	1402	105	1329.0	1379	104	1	64-127	30	
Pentachlorophenol	<166.6	1331	1398	105	1329.0	1357	102	3	46-134	30	
Phenanthrene	<83.31	1331	1369	103	1329.0	1328	100	3	61-119	30	
Phenol	<83.31	1331	1301	98	1329.0	1277	96	2	47-108	30	
Pyrene	<83.31	1331	1602	120	1329.0	1451	109	10	54-141	30	
2,3,4,6-Tetrachlorophenol	<83.31	1331	1419	107	1329.0	1413	106	1	56-130	30	

Relative Percent Difference RPD = $200 * [(D-G)/(D+G)]$
 Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C)/[B]$
 Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F)/[E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
 = RPD exceeded the laboratory control limits
 = Recovery of BS, BSD or both below the laboratory control limits

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LCS/LCSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 33295

Units: ug/kg

Sample: 33333-1-BKS

Project ID: N/A
Analyst: 1040
Matrix: Solid

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,6-Trichlorophenol	<83.31	1331	1539	116	1329.0	1491	112	4	67-127	30	
2,4,5-Trichlorophenol	<83.31	1331	1518	114	1329.0	1470	111	3	69-132	30	

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Relative Percent Difference $RPD = 200 * (D-G) / (D+G)$
Laboratory Control Sample (LCS) Percent Recovery $[D] = 100 * (C) / [B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery $[G] = 100 * (F) / [E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
= RPD exceeded the laboratory control limits
= Recovery of BS, BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name: Guide

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83057

Units: ug/kg

Sample: 33247-1-BKS
Method: SW5030 / SW8260B

Date Prepared: 06/14/2010

Date Analyzed: 06/14/2010

Project ID: N/A
Analyst: 1035
Matrix: Solid

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Volatile Organic Compounds	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Dichlorodifluoromethane	<2.500	60.00	68.87	115	60.0	65.78	110	4	55-125	30	
Chloromethane	<2.500	60.00	66.18	110	60.0	68.94	115	4	62-125	30	
Vinyl Chloride	<2.500	60.00	73.73	123	60.0	71.89	120	2	65-130	30	
Bromomethane	<2.500	60.00	69.01	115	60.0	68.38	114	1	59-131	30	
Chloroethane	<2.500	60.00	71.57	119	60.0	73.21	122	2	57-135	30	
Acetone	<10.00	60.00	42.90	72	60.0	42.90	72	0	7-180	30	
Trichlorofluoromethane	<2.500	60.00	64.01	107	60.0	70.09	117	9	55-133	30	
1,1-Dichloroethene	<2.500	60.00	48.12	80	60.0	66.27	110	32	60-122	30	F
Methylene chloride	<2.500	60.00	60.59	101	60.0	62.76	105	4	63-125	30	
trans-1,2-Dichloroethene	<2.500	60.00	60.97	102	60.0	69.25	115	12	62-129	30	
1,1-Dichloroethane	<2.500	60.00	68.63	114	60.0	67.71	113	1	55-135	30	
Vinyl acetate	<2.500	60.00	60.62	101	60.0	60.69	101	0	57-136	30	
2-Butanone (MEK)	<10.00	60.00	40.08	67	60.0	40.37	67	0	36-201	30	
cis-1,2-Dichloroethene	<2.500	60.00	68.01	113	60.0	66.87	111	2	60-127	30	
Bromochloromethane	<2.500	60.00	63.83	106	60.0	64.49	107	1	66-127	30	
Chloroform	<2.500	60.00	63.21	105	60.0	63.51	106	1	64-113	30	
2,2-Dichloropropane	<2.500	60.00	61.62	103	60.0	59.88	100	3	53-129	30	
1,1,1-Trichloroethane	<2.500	60.00	66.80	111	60.0	65.22	109	2	57-127	30	
1,2-Dichloroethane	<2.500	60.00	60.29	100	60.0	61.73	103	3	62-124	30	
1,1-Dichloropropene	<2.500	60.00	67.60	113	60.0	66.14	110	3	61-122	30	

Relative Percent Difference RPD = $200 * (D-G) / (D+G)$
 Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C) / (B)$
 Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F) / (E)$

= Recovery of BS, BSD or both exceeded the laboratory control limits
 = RPD exceeded the laboratory control limits
 = Recovery of BS, BSD or both below the laboratory control limits

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LCS/LCSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 33057

Units: ug/kg

Sample: 33247-1-BKS

Date Prepared: 06/14/2010

Date Analyzed: 06/14/2010

Project ID: N/A

Analyst: 1035

Matrix: Solid

Volatile Organic Compounds	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Carbon tetrachloride	<2.500	60.00	67.10	112	60.0	65.71	110	2	55-131	30	
Benzene	<2.500	60.00	65.49	109	60.0	65.13	109	0	64-114	30	
Dibromomethane	<2.500	60.00	60.86	101	60.0	62.07	103	2	64-132	30	
1,2-Dichloropropane	<2.500	60.00	62.18	104	60.0	63.07	105	1	61-117	30	
Carbon Disulfide	<5.000	60.00	65.03	108	60.0	64.45	107	1	37-161	30	
Trichloroethene	<2.500	60.00	67.26	112	60.0	65.83	110	2	62-121	30	
Acrylonitrile	<10.00	60.00	65.39	109	60.0	65.19	109	0	59-168	30	
Bromodichloromethane	<2.500	60.00	62.36	104	60.0	63.06	105	1	62-126	30	
cis-1,3-Dichloropropene	<2.500	60.00	62.09	103	60.0	62.99	105	2	59-119	30	
4-Methyl-2-Pentanone (MIBK)	<10.00	60.00	44.61	74	60.0	45.84	76	3	59-148	30	
trans-1,3-Dichloropropene	<2.500	60.00	61.47	102	60.0	63.18	105	3	51-126	30	
1,1,2-Trichloroethane	<2.500	60.00	62.34	104	60.0	62.91	105	1	60-134	30	
Toluene	<2.500	60.00	66.85	111	60.0	66.19	110	1	64-117	30	
1,3-Dichloropropane	<2.500	60.00	57.41	96	60.0	58.36	97	1	61-129	30	
2-Hexanone (MBK)	<10.00	60.00	40.62	68	60.0	40.23	67	1	9-176	30	
1,2-Dibromoethane	<2.500	60.00	59.39	99	60.0	60.38	101	2	65-135	30	
Dibromochloromethane	<2.500	60.00	60.61	101	60.0	61.61	103	2	67-126	30	
Acrolein	<10.00	60.00	77.71	130	60.0	77.61	129	1	52-168	30	
1,1,1,2-Tetrachloroethane	<2.500	60.00	63.42	106	60.0	63.72	106	0	64-121	30	
Bromoform	<2.500	60.00	62.01	103	60.0	63.31	106	3	62-120	30	

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Relative Percent Difference RPD = $200 * [(D-G)/(D+G)]$
Laboratory Control Sample (LCS) Percent Recovery [D] = $100 * (C)/[B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = $100 * (F)/[E]$

= Recovery of BS, BSD or both exceeded the laboratory control limits
= RPD exceeded the laboratory control limits
= Recovery of BS, BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name: Gude

Work Order #: 10061114
 Prep Batch #: 1
 Lab Batch ID: 83057
 Units: ug/kg

Project ID: N/A
 Analyst: 1035
 Matrix: Solid

Sample: 33247-1-BKS
 Date Prepared: 06/14/2010
 Date Analyzed: 06/14/2010

Volatile Organic Compounds	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
trans-1,4-dichloro-2-butene	<2.500	60.00	58.62	98	60.0	59.77	100	2	43-133	30	
Tetrachloroethene	<2.500	60.00	69.42	116	60.0	68.13	114	2	58-129	30	
Chlorobenzene	<2.500	60.00	63.22	105	60.0	62.67	104	1	64-116	30	
Ethylbenzene	<2.500	60.00	64.99	108	60.0	63.92	107	1	61-118	30	
m&p-Xylene	<5.000	120	132.4	110	120.0	130.7	109	1	63-116	30	
Styrene	<2.500	60.00	65.24	109	60.0	65.54	109	0	60-112	30	
1,1,2,2-Tetrachloroethane	<2.500	60.00	55.23	92	60.0	55.64	93	1	58-144	30	
o-Xylene	<2.500	60.00	65.94	110	60.0	65.28	109	1	65-117	30	
1,2,3-Trichloropropane	<2.500	60.00	63.18	105	60.0	58.04	97	8	59-139	30	
1,3-Dichlorobenzene	<2.500	60.00	62.32	104	60.0	62.78	105	1	58-123	30	
1,4-Dichlorobenzene	<2.500	60.00	61.66	103	60.0	61.18	102	1	58-121	30	
1,2-Dichlorobenzene	<2.500	60.00	60.60	101	60.0	61.14	102	1	59-124	30	
1,2-Dibromo-3-chloropropane	<20.00	60.00	57.19	95	60.0	57.50	96	1	57-144	30	
1,2,4-Trichlorobenzene	<2.500	60.00	62.43	104	60.0	64.64	108	4	46-122	30	
Iodomethane	<10.00	60.00	57.39	96	60.0	57.12	95	1	46-137	30	
Napthalene	<2.500	60.00	62.48	104	60.0	65.09	108	4	54-164	30	
1,2,3-Trichlorobenzene	<2.500	60.00	62.42	104	60.0	63.95	107	3	48-126	30	

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RPD = Recovery of BS.BSD or both exceeded the laboratory control limits
 = RPD exceeded the laboratory control limits
 = Recovery of BS.BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name: Guide

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83306

Units: mg/kg

Date Prepared: 06/23/2010

Date Analyzed: 06/23/2010

Sample: 83306-i-BKS

Method: / SW9014

Project ID: N/A

Analyst: 1022

Matrix: Solid

Analytes	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Cyanide, Total	<1.250	5.000	<1.250	9	5.000	<1.250	9	NC	80-120	20	L

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Relative Percent Difference $RPD = 200 * (D-F)/(D+F)$
Laboratory Control Sample (LCS) Percent Recovery $[D] = 100 * (C)/[B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery $[G] = 100 * (F)/[E]$

H = Recovery of BS, BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS, BSD or both below the laboratory control limits



Blank Spike Recovery

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Prep Batch #:

Date Prepared: 06/24/2010

Sample ID: 83308-1-BKS

Matrix: Solid

Lab Batch ID 83308

Date Analyzed: 06/24/2010

Analyst: 1022

Reporting Units: mg/kg

BLANK /BLANK SPIKE RECOVERY STUDY

Cyanide Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Cyanide, Total	<1 250	5 000	4 910	98	80-120	

Prep Batch #: 33335

Date Prepared: 06/23/2010

Sample ID: 33335-1-BKS

Matrix: Solid

Lab Batch ID 83293

Date Analyzed: 06/24/2010

Analyst: 1033

Reporting Units: mg/kg

BLANK /BLANK SPIKE RECOVERY STUDY

Total Metals (17) Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<1 250	20 00	19 53	98	75-125	
Arsenic	<0 2500	20 00	19 92	100	75-125	
Barium	<1 250	20 00	19 73	99	75-125	
Beryllium	<1 250	20 00	18 03	90	75-125	
Cadmium	<1 250	20 00	19 03	95	75-125	
Chromium	<1 250	20 00	19 61	98	75-125	
Cobalt	<1 250	20 00	19 70	99	75-125	
Copper	<1 250	20 00	19 42	97	75-125	
Lead	<1 250	20 00	19 83	99	75-125	
Mercury	0 1000	0 5000	0 5650	93	75-125	
Nickel	<1 250	20 00	19 85	99	75-125	
Selenium	<1 250	20 00	19 23	96	75-125	
Silver	<1 250	20 00	20 18	101	75-125	
Thallium	<1 000	20 00	19 25	96	75-125	
Tin	<2 500	20 00	19 41	97	75-125	
Vanadium	<1 250	20 00	19 27	96	75-125	
Zinc	<5 000	20 00	19 45	97	75-125	

Blank Spike Recovery [D] = 100*(([C]-[A])/[B])

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H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits



Blank Spike Recovery

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Prep Batch #: 33335

Date Prepared: 06/23/2010

Sample ID: 33335-1-BKS

Matrix: Solid

Lab Batch ID 83322

Date Analyzed: 06/25/2010

Analyst: 1033

Reporting Units: mg/kg

BLANK/BLANK SPIKE RECOVERY STUDY

Total Metals (17) Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<1.250	20.00	21.18	106	75-125	
Arsenic	<0.2500	20.00	20.59	103	75-125	
Barium	<1.250	20.00	20.48	102	75-125	
Beryllium	<1.250	20.00	19.92	100	75-125	
Cadmium	<1.250	20.00	20.41	102	75-125	
Chromium	<1.250	20.00	21.04	105	75-125	
Cobalt	<1.250	20.00	20.34	102	75-125	
Copper	<1.250	20.00	20.44	102	75-125	
Lead	<1.250	20.00	20.58	103	75-125	
Mercury	<0.0500	0.5000	0.5350	107	75-125	
Nickel	<1.250	20.00	21.33	107	75-125	
Selenium	<1.250	20.00	20.21	101	75-125	
Silver	<1.250	20.00	20.99	105	75-125	
Thallium	<1.000	20.00	19.89	99	75-125	
Tin	<2.500	20.00	20.01	100	75-125	
Vanadium	<1.250	20.00	20.14	101	75-125	
Zinc	<5.000	20.00	20.23	101	75-125	

Blank Spike Recovery [D] = 100*(([C]-[A])/[B])

H= Recovery of BS,BSD or both exceeded the laboratory control limits

F = RPD exceeded the laboratory control limits

L = Recovery of BS,BSD or both below the laboratory control limits

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Baltimore, MD 21228



LCS/LCSD Recoveries

Project Name: Guide

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83257

Units: ug/kg

Project ID: N/A

Analyst: 1029

Matrix: Solid

Sample: 33325-1-BKS

Method: SW3550 / SW8081B

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
alpha-BHC	<9.862	19.82	30.72	155	19.82	17.80	90	53	80-126	25	HF	
gamma-BHC (Lindane)	<9.862	19.82	30.81	155	19.82	18.00	91	52	81-124	25	HF	
beta-BHC	<9.862	19.82	29.37	148	19.82	17.55	89	50	77-121	25	HF	
delta-BHC	<9.862	19.82	33.34	168	19.82	19.47	98	53	75-126	25	HF	
Heptachlor	<9.862	19.82	28.85	146	19.82	17.14	87	51	76-120	25	HF	
Aldrin	<9.862	19.82	30.41	153	19.82	17.85	90	52	81-122	25	HF	
Heptachlor epoxide	<9.862	19.82	30.01	151	19.82	17.97	91	50	81-123	25	HF	
gamma-Chlordane	<9.862	19.82	32.21	163	19.82	19.02	96	52	89-135	25	HF	
alpha-Chlordane	<9.862	19.82	32.65	165	19.82	19.42	98	51	82-121	25	HF	
4,4-DDE	<9.862	19.82	33.71	170	19.82	19.66	99	53	78-138	25	HF	
Endosulfan I	<9.862	19.82	31.36	158	19.82	18.78	95	50	82-123	25	HF	
Dieldrin	<9.862	19.82	33.91	171	19.82	20.07	101	51	81-126	25	HF	
Endrin	<9.862	19.82	32.34	163	19.82	19.52	99	49	70-131	25	HF	
4,4-DDD	<9.862	19.82	33.37	168	19.82	19.77	100	51	68-143	25	HF	
Endosulfan II	<9.862	19.82	32.51	164	19.82	19.55	99	49	80-133	25	HF	
4,4-DDT	<9.862	19.82	34.94	176	19.82	20.45	103	52	68-129	25	HF	
Endrin aldehyde	<9.862	19.82	37.22	188	19.82	22.69	115	48	77-127	25	HF	
Methoxychlor	<9.862	19.82	28.68	145	19.82	17.75	90	47	67-121	25	HF	
Endosulfan sulfate	<9.862	19.82	32.81	166	19.82	19.70	100	50	79-126	25	HF	
Endrin ketone	<9.862	19.82	34.40	174	19.82	20.93	106	49	82-137	25	HF	

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Relative Percent Difference $RPD = 200 * |(D-F)/(D+F)|$
Laboratory Control Sample (LCS) Percent Recovery $[D] = 100 * (C)/[B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery $[G] = 100 * (F)/[E]$

HF= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits



LCS/LCSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 1

Lab Batch ID: 83315

Units: ug/kg

Date Prepared: 06/24/2010

Date Analyzed: 06/25/2010

Sample: 33347-1-BKS

Method: SW8151A_PREP / SW8151

Project ID: N/A

Analyst: 1029

Matrix: Solid

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Chlorinated Herbicides	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4-D	<99.80	998.7	885.9	89	998.7	921	93	4	65-110	30	
2,4,5-TP (Silvex)	<9.980	99.87	89.48	90	99.87	92.16	93	3	58-130	30	
2,4,5-T	<9.980	99.87	109.3	109	99.87	113.2	114	4	81-130	30	
Dinoseb	<49.90	499.4	411.1	82	499.4	420.9	85	4	62-102	30	

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Relative Percent Difference $RPD = 200 * (D-F) / (D+F)$
Laboratory Control Sample (LCS) Percent Recovery $[D] = 100 * (C) / [B]$
Laboratory Control Sample Duplicate (LCSD) Percent Recovery $[G] = 100 * (F) / [E]$

H = Recovery of BS, BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS, BSD or both below the laboratory control limits



Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 33347

Lab Batch ID: 83315

Reporting Units: ug/kg

Date Prepared: 06/24/2010

Date Analyzed: 06/25/2010

Client Sample Id: Gude-SS1-SO-0 to 1 S

Sample ID: 10061114-001 S

Method: SW8151A_PREP /SW8151A

Project ID: N/A

Analyst: 1029

Matrix: Soil

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chlorinated Herbicides Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	2,4-D	<133.8	1342	1174	87	1307	1211	93	7	57-117	30
2,4,5-TP (Silvex)	<13.38	134.2	120	89	130.7	130	99	11	59-126	30	
2,4,5-T	<13.38	134.2	173	129	130.7	170.9	131	2	66-144	30	
Dimoseb	<66.90	671	596.9	89	653.5	593.9	91	2	63-106	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A
Analyst: 1022
Matrix: Soil

Client Sample Id: Gude-SS1-SO-0 to I S
Sample ID: 10061114-001 S
Method: /SW9014

Date Prepared: 06/23/2010
Date Analyzed: 06/23/2010

Prep Batch #: 83306
Lab Batch ID: 83306
Reporting Units: mg/kg

Cyanide Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Flag
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	
Cyanide, Total	<1.689	6.624	<1.656	0	6.690	<1.672	0	NC	80-120	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A
Analyst: 1022
Matrix: Soil

Client Sample Id: Gude-SS8-SO-0 to 1 S
Sample ID: 10061114-008 S
Method: /SW9014

Date Prepared: 06/24/2010
Date Analyzed: 06/24/2010

Prep Batch #: 83308
Lab Batch ID: 83308
Reporting Units: mg/kg

Cyanide Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Flag
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	
Cyanide, Total	<1.667	6.536	5.987	92	6.472	5.929	92	0	80-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Client Sample Id: Gude-SS5-SO-0 to I S

Project ID: N/A

Prep Batch #: 33325

Sample ID: 10061114-005 S

Analyst: 1029

Lab Batch ID: 83257

Method: SW3550/SW808IB

Matrix: Soil

Reporting Units: ug/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Organochlorine Pesticides	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
alpha-BHC	<11.10	22.24	19.67	88	22.30	20.00	90	2	70-130	30	
gamma-BHC (Lindane)	<11.10	22.24	19.61	88	22.30	20.42	92	4	72-128	30	
beta-BHC	<11.10	22.24	19.44	87	22.30	20.50	92	6	74-121	30	
delta-BHC	<11.10	22.24	18.82	85	22.30	19.88	89	5	72-127	30	
Heptachlor	<11.10	22.24	17.89	80	22.30	18.31	82	2	66-127	30	
Aldrin	<11.10	22.24	19.38	87	22.30	19.93	89	2	71-130	30	
Heptachlor epoxide	<11.10	22.24	18.57	83	22.30	18.98	85	2	73-128	30	
gamma-Chlordane	<11.10	22.24	21.26	96	22.30	22.08	99	3	73-153	30	
alpha-Chlordane	<11.10	22.24	21.36	96	22.30	22.24	100	4	62-144	30	
4,4-DDE	<11.10	22.24	28.16	127	22.30	29.84	134	5	78-143	30	
Endosulfan I	<11.10	22.24	20.73	93	22.30	21.59	97	4	73-129	30	
Dieldrin	<11.10	22.24	22.65	102	22.30	23.76	107	5	72-136	30	
Endrin	<11.10	22.24	22.82	103	22.30	24.10	108	5	82-131	30	
4,4-DDD	<11.10	22.24	22.73	102	22.30	24.83	111	8	70-143	30	
Endosulfan II	<11.10	22.24	21.59	97	22.30	22.68	102	5	75-136	30	
4,4-DDT	<11.10	22.24	24.57	110	22.30	23.95	107	3	78-125	30	
Endrin aldehyde	<11.10	22.24	24.67	111	22.30	25.54	115	4	78-130	30	
Methoxychlor	<11.10	22.24	20.67	93	22.30	21.15	95	2	71-122	30	
Endosulfan sulfate	<11.10	22.24	22.95	103	22.30	24.28	109	6	77-129	30	
Endrin ketone	<11.10	22.24	23.04	104	22.30	24.11	108	4	75-145	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 33341

Lab Batch ID: 83290

Reporting Units: mg/kg

Date Prepared: 06/23/2010
Date Analyzed: 06/24/2010

Client Sample Id: TP4-S-2 S
Sample ID: 10062211-002 S
Method: SW3550 /SW8082

Project ID: N/A
Analyst: 1029
Matrix: Soil

Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											Flag
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD		
PCB-1016	<0.0527	0.5281	0.4444	84	0.5261	0.3969	75	11	52-122	30		
PCB-1260	<0.0527	0.5281	0.5623	106	0.5261	0.5163	98	8	52-184	30		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 33333

Lab Batch ID: 83295

Reporting Units: ug/kg

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Client Sample Id: Gude-SS2-SO-0 to 1 S

Sample ID: 10061114-002 S

Method: SW3550/SW8270C

Project ID: N/A

Analyst: 1040

Matrix: Soil

Semi-volatile Organic Compounds		MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Flag
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD		
Acenaphthene	<99.14	1583	1600	101	1579	1597	101	0	52-128	30		
Acenaphthylene	<99.14	1583	1626	103	1579	1622	103	0	59-119	30		
Acetophenone	<99.14	1583	1605	101	1579	1602	101	0	53-115	30		
Anthracene	<99.14	1583	1652	104	1579	1648	104	0	51-137	30		
Benzo(a)anthracene	<99.14	1583	1741	110	1579	1737	110	0	45-163	30		
Benzo(a)pyrene	<99.14	1583	1842	116	1579	1838	116	0	52-164	30		
Benzo(b)fluoranthene	<99.14	1583	1790	113	1579	1786	113	0	58-154	30		
Benzo(g,h,i)perylene	<99.14	1583	1989	126	1579	1984	126	0	37-144	30		
Benzo(k)fluoranthene	<99.14	1583	1785	113	1579	1780	113	0	49-160	30		
Benzyl butyl phthalate	<99.14	1583	1931	122	1579	1926	122	0	40-179	30		
bis(2-chloroethoxy) methane	<99.14	1583	1608	102	1579	1604	102	0	53-120	30		
bis(2-chloroethyl) ether	<99.14	1583	1583	100	1579	1579	100	0	47-116	30		
bis(2-chloroisopropyl) ether	<99.14	1583	1509	95	1579	1505	95	0	45-112	30		
bis(2-ethylhexyl) phthalate	<99.14	1583	1803	114	1579	1799	114	0	43-172	30		
4-Bromophenylphenyl ether	<99.14	1583	1813	115	1579	1809	115	0	44-159	30		
Di-n-butyl phthalate	<198.3	1583	1589	100	1579	1585	100	0	54-131	30		
4-Chloro-3-methylphenol	<99.14	1583	1676	106	1579	1672	106	0	57-130	30		
4-Chloroaniline	<198.3	1583	1647	104	1579	1643	104	0	50-122	30		
2-Chloronaphthalene	<99.14	1583	1611	102	1579	1607	102	0	50-124	30		
2-Chlorophenol	<99.14	1583	1646	104	1579	1642	104	0	54-119	30		
4-Chlorophenyl phenyl ether	<99.14	1583	1526	96	1579	1523	96	0	57-133	30		
Chrysene	<99.14	1583	1732	109	1579	1728	109	0	42-165	30		
Dibenz(a,h)Anthracene	<99.14	1583	2035	129	1579	2030	129	0	37-140	30		
Dibenzofuran	<99.14	1583	1588	100	1579	1585	100	0	44-138	30		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Baltimore, MD 21228



Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Project ID: N/A

Prep Batch #: 83295

Client Sample Id: 10061114-002 S

Date Prepared: 06/23/2010

Lab Batch ID: 83295

Sample ID: 10061114-002 S

Date Analyzed: 06/24/2010

Reporting Units: ug/kg

Analyst: 1040

Method: SW3550 /SW8270C

Matrix: Soil

Semivolatile Organic Compounds Analytes	Parent Sample Result [A]	Spiked Added [B]	Spiked Result [C]	Spiked Sample %R [D]	Spiked Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
3,3-Dichlorobenzidine	<99.14	1583	1561	99	1579	1557	99	0	11-140	30	
2,4-Dichlorophenol	<99.14	1583	1730	109	1579	1726	109	0	56-131	30	
Diethyl phthalate	<99.14	1583	1607	102	1579	1483	94	8	51-126	30	
Dimethyl phthalate	<99.14	1583	1597	101	1579	1593	101	0	56-120	30	
2,4-Dimethylphenol	<99.14	1583	1460	92	1579	1456	92	0	49-124	30	
4,6-Dinitro-2-methyl phenol	<99.14	1583	1928	122	1579	1923	122	0	1-187	30	
2,4-Dinitrophenol	<198.3	1583	1776	112	1579	1743	110	2	4-200	30	
2,4-Dinitrotoluene	<99.14	1583	1679	106	1579	1493	95	11	57-138	30	
2,6-Dinitrotoluene	<99.14	1583	1621	102	1579	1618	102	0	61-136	30	
Fluoranthene	<99.14	1583	1616	102	1579	1612	102	0	40-155	30	
Fluorene	<99.14	1583	1536	97	1579	1501	95	2	55-128	30	
Hexachlorobenzene	<99.14	1583	1678	106	1579	1675	106	0	52-129	30	
Hexachlorobutadiene	<99.14	1583	1658	105	1579	1654	105	0	50-128	30	
Hexachlorocyclopentadiene	<99.14	1583	1759	111	1579	1755	111	0	13-144	30	
Hexachloroethane	<99.14	1583	1568	99	1579	1564	99	0	42-117	30	
Indeno(1,2,3-c,d)pyrene	<99.14	1583	2075	131	1579	2070	131	0	48-135	30	
Isophorone	<99.14	1583	1614	102	1579	1610	102	0	51-114	30	
2-Methylnaphthalene	<99.14	1583	1569	99	1579	1565	99	0	49-130	30	
2-Methylphenol	<99.14	1583	1653	104	1579	1649	104	0	54-119	30	
3&4-Methylphenol	<99.14	1583	1588	100	1579	1585	100	0	50-115	30	
4-Nitroaniline	<99.14	1583	1641	104	1579	1396	88	17	50-133	30	
3-Nitroaniline	<99.14	1583	1764	111	1579	1673	106	5	49-133	30	
2-Nitroaniline	<198.3	1583	1768	112	1579	1764	112	0	53-133	30	
Nitrobenzene	<99.14	1583	1626	103	1579	1622	103	0	48-113	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

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Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 83295

Date Prepared: 06/23/2010
Date Analyzed: 06/24/2010

Client Sample Id: 10061114-002 S
Sample ID: 10061114-002 S
Method: SW3550/SW8270C

Project ID: N/A
Analyst: 1040
Matrix: Soil

Reporting Units: ug/kg

Semivolatile Organic Compounds	Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2-Nitrophenol		<99.14	1583	1868	118	1579	1864	118	0	56-136	30	
4-Nitrophenol		<99.14	1583	1574	99	1579	1403	89	11	47-135	30	
N-Nitrosodimethylamine		<99.14	1583	1552	98	1579	1547	98	0	45-122	30	
N-Nitrosodi-n-propylamine		<99.14	1583	1557	98	1579	1553	98	0	44-113	30	
N-Nitrosodiphenylamine		<99.14	1583	1752	111	1579	1748	111	0	57-124	30	
Di-n-octyl phthalate		<99.14	1583	1744	110	1579	1740	110	0	25-185	30	
1,2,4,5-Tetrachlorobenzene		<99.14	1583	1602	101	1579	1599	101	0	51-131	30	
Pentachlorophenol		<198.3	1583	1735	110	1579	1731	110	0	34-154	30	
Phenanthrene		<99.14	1583	1633	103	1579	1629	103	0	46-141	30	
Phenol		<99.14	1583	1475	93	1579	1472	93	0	47-103	30	
Pyrene		<99.14	1583	1973	125	1579	1918	121	3	24-181	30	
2,3,4,6-Tetrachlorophenol		<99.14	1583	1730	109	1579	1664	105	4	49-141	30	
2,4,6-Trichlorophenol		<99.14	1583	1799	114	1579	1795	114	0	59-133	30	
2,4,5-Trichlorophenol		<99.14	1583	1787	113	1579	1783	113	0	61-138	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228



Form 3 - MS / MSD Recoveries

Project Name: Gude

Work Order #: 10061114

Prep Batch #: 33335

Lab Batch ID: 83293

Reporting Units: mg/kg

Date Prepared: 06/23/2010

Date Analyzed: 06/24/2010

Client Sample Id: Gude-SS1-SO-0 to 1 S

Sample ID: 10061114-001 S

Method: SW3050B /SW6020

Project ID: N/A

Analyst: 1033

Matrix: Soil

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	<1.682	24.57	16.73	68	23.28	13.61	58	16	75-125	30	X
Arsenic	3.547	24.57	25.40	89	23.28	23.23	85	5	75-125	30	
Barium	81.90	24.57	111.1	119	23.28	108.6	115	3	75-125	30	
Beryllium	<1.682	24.57	22.01	90	23.28	20.06	86	5	75-125	30	
Cadmium	<1.682	24.57	23.54	96	23.28	21.06	90	6	75-125	30	
Chromium	33.68	24.57	58.19	100	23.28	55.81	95	5	75-125	30	
Cobalt	20.69	24.57	44.87	98	23.28	42.31	93	5	75-125	30	
Copper	28.22	24.57	52.10	97	23.28	48.94	89	9	75-125	30	
Lead	20.32	24.57	45.62	103	23.28	42.65	96	7	75-125	30	
Mercury	0.2625	0.6143	0.9275	108	0.5820	0.7158	78	32	75-125	30	F
Nickel	32.24	24.57	56.42	98	23.28	54.53	96	2	75-125	30	
Selenium	<1.682	24.57	22.62	92	23.28	20.72	89	3	75-125	30	
Silver	<1.682	24.57	24.51	100	23.28	21.77	94	6	75-125	30	
Thallium	<1.346	24.57	24.22	99	23.28	21.95	94	5	75-125	30	
Tin	<3.365	24.57	24.88	101	23.28	22.29	96	5	75-125	30	
Vanadium	49.03	24.57	75.18	106	23.28	70.54	92	14	75-125	30	
Zinc	59.56	24.57	82.25	92	23.28	84.21	106	14	75-125	30	

Matrix Spike Percent Recovery [DI] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [CI] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

XF = Recovery of MS, MSD or both outside of QC Criteria and RPD exceeded the laboratory control limits.

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

ANALYTICAL REPORT

REVISED

PROJECT NO. 10061114

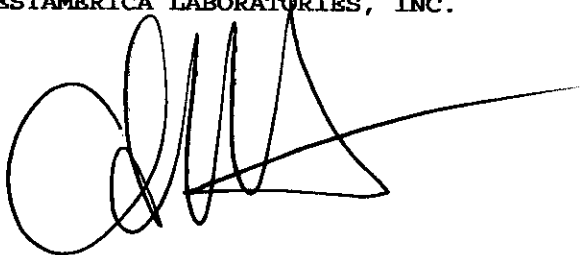
Phase Sep Science East Station

Lot #: COF150495

Betsy Orr

Phase Separation Sciences
6630 Baltimore National Pike
Route 40 West
Baltimore, MD 21228

TESTAMERICA LABORATORIES, INC.



Christina M. Kovitch
Project Manager

August 23, 2010



NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture Arkansas	(#P330-10-00139) (#88-0690)	Foreign Soil Import Permit	X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW --	X --
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 05/19/10 N:\Reporting\NELAC NARRATIVE Ptsburgh_Updated 051910.doc

CASE NARRATIVE

Phase Separation Sciences

Lot # C0F150495

Sample Receiving:

TestAmerica Pittsburgh received samples on June 15, 2010. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

OPP's:

All compounds <20% RSD will use an average response factor curve if no visible improvement is accomplished using a curve. A curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The laboratory control sample recovered above control limits for several analytes. These compounds were not detected in the associated samples. The surrogate of the laboratory control sample also recovered above control limits for tributyl phosphate. Triphenyl phosphate recovered within acceptable QC limits. The positive bias is not believed to have an impact on data quality. All results are reported.

The matrix duplicate recovered above control limits for parathion.

General Chemistry:

There were no problems associated with the analysis.



Chain of Custody Form for Subcontracted Analyses

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

Samples Transferred To:
Test America
5710 Executive Drive, Suite 106
Catonsville, MD 21228
Contact: Ken Ives
Phone: 410-869-0085

W.O. No.: 10061114
P.O. No.:
Project Name: Gude
Project Number: N/A

For Questions or issues please contact: John Slowikowski

Report Due On : 07/02/10 05:00

Table with columns: Lab Sample ID, Field Sample ID, Date Sampled, Time Sampled, Matrix, Analyses Required, Method, Type of Container, Preservative. Contains 22 rows of sample data.



Chain of Custody Form for Subcontracted Analyses

Phase Separation Sciences, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

W.O. No.: 100611114
P.O. No.:
Project Name: Guide
Project Number: N/A

Samples Transferred To:
Test America
5710 Executive Drive, Suite 106
Catonsville, MD 21228
Contact: Ken Ives
Phone: 410-869-0085

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
10061114-012	Guide-SO-DOP-1	06/17/10	12:00	SOLID	Sulfides	SW990308	4 OZ WM GLASS	COOL

Data Deliverables Required: Results, copy of COC and OC
Send Report Attn: BETSY ORR Perform Q.C. on Sample: _____

Airbill No.: _____ Carrier: TEST AMERICA COURIER
Condition Upon Receipt: _____

Comments: _____
Samples Relinquished By: [Signature] Date: 6/14/10 Time: 1230 Samples Received By: [Signature]
Samples Relinquished By: [Signature] Date: 6-14-2010 Time: 1650 Samples Received By: _____
Samples Relinquished By: _____ Date: 6/15/10 Time: 1010 Samples Received By: [Signature]

Sub-Contractor Test America	Method SW8141A	Matrix SOLID	Analyte Name Femphur Dimethozate Parathion, Methyl Parathion, Ethyl Zinophos Disulfoton Phorate
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METHODS SUMMARY

COF150495

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Organophosphorous Compounds by GC	SW846 8141A	SW846 3541
Sulfides, Total 9030B/9034	SW846 9030B/903	SW846 9030B/903
Total Residue as Percent Solids	SM20 2540G	

References:

- SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

COF150495

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L2XKQ	001	10061114-001	06/11/10	10:10
L2XLG	002	10061114-002	06/11/10	10:17
L2XLL	003	10061114-003	06/11/10	09:45
L2XLN	004	10061114-004	06/11/10	10:30
L2XLQ	005	10061114-005	06/11/10	08:30
L2XLR	006	10061114-006	06/11/10	10:42
L2XLT	007	10061114-007	06/11/10	12:40
L2XLW	008	10061114-008	06/11/10	11:00
L2XLO	009	10061114-009	06/11/10	11:12
L2XL1	010	10061114-010	06/11/10	11:20
L2XL2	011	10061114-011	06/11/10	11:55
L2XL3	012	10061114-012	06/11/10	12:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Phase Separation Sciences

Client Sample ID: 10061114-001

GC Semivolatiles

Lot-Sample #...: C0F150495-001 Work Order #...: L2XKQ1AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 10:13
 Dilution Factor: 1
 % Moisture.....: 28 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Parathion	ND	46	ug/kg
Thionazin	ND	46	ug/kg
Dimethoate	38 J	46	ug/kg
Disulfoton	ND	46	ug/kg
Famphur	ND	46	ug/kg
Methyl parathion	ND	46	ug/kg
Phorate	ND	46	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	78	(47 - 130)
Tributyl phosphate	61	(55 - 125)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Phase Separation Sciences

Client Sample ID: 10061114-002

GC Semivolatiles

Lot-Sample #....: C0F150495-002 Work Order #....: L2XLG1AA Matrix.....: SOLID
Date Sampled....: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
Prep Batch #....: 0166449 Analysis Time...: 10:40
Dilution Factor: 1
% Moisture.....: 20 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Parathion	ND	41	ug/kg
Thionazin	ND	41	ug/kg
Phorate	ND	41	ug/kg
Disulfoton	ND	41	ug/kg
Methyl parathion	ND	41	ug/kg
Famphur	ND	41	ug/kg
Dimethoate	46	41	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	96	(47 - 130)
Tributyl phosphate	90	(55 - 125)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-003

GC Semivolatiles

Lot-Sample #...: C0F150495-003 Work Order #...: L2XLL1AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 12:00
 Dilution Factor: 1
 % Moisture.....: 22 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	42	ug/kg
Thionazin	ND	42	ug/kg
Dimethoate	48	42	ug/kg
Disulfoton	ND	42	ug/kg
Famphur	ND	42	ug/kg
Methyl parathion	ND	42	ug/kg
Phorate	ND	42	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	102	(47 - 130)	
Tributyl phosphate	93	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-004

GC Semivolatiles

Lot-Sample #...: C0F150495-004 Work Order #...: L2XLN1AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 14:14
 Dilution Factor: 0.99
 % Moisture.....: 28 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Parathion	ND	45	ug/kg
Thionazin	ND	45	ug/kg
Dimethoate	ND	45	ug/kg
Disulfoton	ND	45	ug/kg
Famphur	ND	45	ug/kg
Methyl parathion	ND	45	ug/kg
Phorate	ND	45	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	83	(47 - 130)
Tributyl phosphate	70	(55 - 125)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-005

GC Semivolatiles

Lot-Sample #...: C0F150495-005 Work Order #...: L2XLQ1AA Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
Prep Batch #...: 0166449 Analysis Time...: 14:41
Dilution Factor: 0.99
% Moisture.....: 9.7 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	36	ug/kg
Thionazin	ND	36	ug/kg
Dimethoate	ND	36	ug/kg
Disulfoton	ND	36	ug/kg
Famphur	ND	36	ug/kg
Methyl parathion	ND	36	ug/kg
Phorate	ND	36	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	99	(47 - 130)	
Tributyl phosphate	99	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-006

GC Semivolatiles

Lot-Sample #...: C0F150495-006 Work Order #...: L2XLR1AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 15:07
 Dilution Factor: 1
 % Moisture.....: 22 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	42	ug/kg
Thionazin	ND	42	ug/kg
Dimethoate	ND	42	ug/kg
Disulfoton	ND	42	ug/kg
Famphur	ND	42	ug/kg
Methyl parathion	ND	42	ug/kg
Phorate	ND	42	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Triphenyl phosphate	112	(47 - 130)	
Tributyl phosphate	110	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-007

GC Semivolatiles

Lot-Sample #...: C0F150495-007 Work Order #...: L2XLT1AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 15:34
 Dilution Factor: 1
 % Moisture.....: 24 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	43	ug/kg
Thionazin	ND	43	ug/kg
Dimethoate	ND	43	ug/kg
Disulfoton	ND	43	ug/kg
Famphur	ND	43	ug/kg
Methyl parathion	ND	43	ug/kg
Phorate	ND	43	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	121	(47 - 130)	
Tributyl phosphate	119	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-008

GC Semivolatiles

Lot-Sample #...: C0F150495-008 Work Order #...: L2XLW1AA Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
Prep Batch #...: 0166449 Analysis Time...: 16:01
Dilution Factor: 1
% Moisture.....: 28 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	46	ug/kg
Thionazin	ND	46	ug/kg
Dimethoate	ND	46	ug/kg
Disulfoton	ND	46	ug/kg
Famphur	ND	46	ug/kg
Methyl parathion	ND	46	ug/kg
Phorate	ND	46	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	96	(47 - 130)	
Tributyl phosphate	84	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-009

GC Semivolatiles

Lot-Sample #...: C0F150495-009 Work Order #...: L2XL01AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 16:28
 Dilution Factor: 0.99
 % Moisture.....: 19 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	40	ug/kg
Thionazin	ND	40	ug/kg
Dimethoate	ND	40	ug/kg
Disulfoton	ND	40	ug/kg
Famphur	ND	40	ug/kg
Methyl parathion	ND	40	ug/kg
Phorate	ND	40	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	88	(47 - 130)
Tributyl phosphate	74	(55 - 125)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-010

GC Semivolatiles

Lot-Sample #...: C0F150495-010 Work Order #...: L2XL11AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 16:54
 Dilution Factor: 0.99
 % Moisture.....: 19 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Parathion	ND	40	ug/kg
Thionazin	ND	40	ug/kg
Dimethoate	ND	40	ug/kg
Disulfoton	ND	40	ug/kg
Famphur	ND	40	ug/kg
Methyl parathion	ND	40	ug/kg
Phorate	ND	40	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	105	(47 - 130)
Tributyl phosphate	102	(55 - 125)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-011

GC Semivolatiles

Lot-Sample #...: C0F150495-011 Work Order #...: L2XL21AA Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
Prep Batch #...: 0166449 Analysis Time...: 17:21
Dilution Factor: 1
% Moisture.....: 14 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	38	ug/kg
Thionazin	ND	38	ug/kg
Dimethoate	ND	38	ug/kg
Disulfoton	ND	38	ug/kg
Famphur	ND	38	ug/kg
Methyl parathion	ND	38	ug/kg
Phorate	ND	38	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	68	(47 - 130)	
Tributyl phosphate	65	(55 - 125)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-012

GC Semivolatiles

Lot-Sample #...: C0F150495-012 Work Order #...: L2XL31AA Matrix.....: SOLID
 Date Sampled...: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 17:48
 Dilution Factor: 0.99
 ‡ Moisture.....: 24 Method.....: SW846 8141A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Parathion	ND	43	ug/kg
Thionazin	ND	43	ug/kg
Dimethoate	ND	43	ug/kg
Disulfoton	ND	43	ug/kg
Famphur	ND	43	ug/kg
Methyl parathion	ND	43	ug/kg
Phorate	ND	43	ug/kg
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
Triphenyl phosphate	74	(47 - 130)	
Tributyl phosphate	68	(55 - 125)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0F150495 Work Order #...: L2X831AA Matrix.....: SOLID
 MB Lot-Sample #: C0F150000-449
 Prep Date.....: 06/15/10 Analysis Time...: 12:27
 Analysis Date...: 06/24/10 Prep Batch #...: 0166449
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Thionazin	ND	33	ug/kg	SW846 8141A
Parathion	ND	33	ug/kg	SW846 8141A
Dimethoate	ND	33	ug/kg	SW846 8141A
Disulfoton	ND	33	ug/kg	SW846 8141A
Famphur	ND	33	ug/kg	SW846 8141A
Methyl parathion	ND	33	ug/kg	SW846 8141A
Phorate	ND	33	ug/kg	SW846 8141A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Triphenyl phosphate	101	(47 - 130)
Tributyl phosphate	92	(55 - 125)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: C0F150495 Work Order #...: L2X831AC Matrix.....: SOLID
 LCS Lot-Sample#: C0F150000-449
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #...: 0166449 Analysis Time...: 18:14
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Thionazin	134 a	(48 - 126)	SW846 8141A
Phorate	122	(41 - 143)	SW846 8141A
Disulfoton	122	(31 - 136)	SW846 8141A
Methyl parathion	149 a	(43 - 146)	SW846 8141A
Parathion	146 a	(52 - 133)	SW846 8141A
Famphur	141 a	(54 - 137)	SW846 8141A
Dimethoate	119	(40 - 143)	SW846 8141A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Triphenyl phosphate	116	(47 - 130)
Tributyl phosphate	126 *	(55 - 125)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: C0F150495 Work Order #....: L2XLG1AE-MS Matrix.....: SOLID
 MS Lot-Sample #: C0F150495-002 L2XLG1AF-MSD
 Date Sampled....: 06/11/10 Date Received...: 06/15/10 MS Run #.....: 0166257
 Prep Date.....: 06/15/10 Analysis Date...: 06/24/10
 Prep Batch #....: 0166449 Analysis Time...: 11:07
 Dilution Factor: 1 % Moisture.....: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Thionazin	113	(48 - 126)			SW846 8141A
	123	(48 - 126)	8.5	(0-27)	SW846 8141A
Phorate	103	(41 - 143)			SW846 8141A
	113	(41 - 143)	9.1	(0-30)	SW846 8141A
Disulfoton	101	(31 - 136)			SW846 8141A
	112	(31 - 136)	10	(0-30)	SW846 8141A
Methyl parathion	130	(43 - 146)			SW846 8141A
	139	(43 - 146)	6.9	(0-30)	SW846 8141A
Parathion	125	(52 - 133)			SW846 8141A
	137 a	(52 - 133)	8.6	(0-30)	SW846 8141A
Famphur	121	(54 - 137)			SW846 8141A
	122	(54 - 137)	1.3	(0-30)	SW846 8141A
Dimethoate	108	(40 - 143)			SW846 8141A
	101	(40 - 143)	6.4	(0-30)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	98	(47 - 130)
	106	(47 - 130)
Tributyl phosphate	104	(55 - 125)
	111	(55 - 125)

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Phase Separation Sciences

Client Sample ID: 10061114-001

General Chemistry

Lot-Sample #...: C0F150495-001 Work Order #...: L2XKQ Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	71.7	1.0	%	SM20 2540G	06/15-06/16/10	0166345
			Dilution Factor: 1	Analysis Time...: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	41.9	mg/kg	SW846 9030B/9034	06/17/10	0168065
			Dilution Factor: 1	Analysis Time...: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-002

General Chemistry

Lot-Sample #...: C0F150495-002
Date Sampled...: 06/11/10
% Moisture.....: 20

Work Order #...: L2XLG
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	80.4	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time...: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	37.3	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time...: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-003

General Chemistry

Lot-Sample #...: C0F150495-003 Work Order #...: L2XLL Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10
% Moisture.....: 22

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	77.9	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time...: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	38.5	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time...: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-004

General Chemistry

Lot-Sample #...: C0F150495-004 Work Order #...: L2XLN Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	72.2	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	41.5	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-005

General Chemistry

Lot-Sample #...: C0F150495-005 Work Order #...: L2XLQ Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10
% Moisture.....: 9.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	90.3	1.0	%	SM20 2540G	06/15-06/16/10	0166345
			Dilution Factor: 1	Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	11.5 B	33.2	mg/kg	SW846 9030B/9034	06/17/10	0168065
			Dilution Factor: 1	Analysis Time..: 12:50	MS Run #.....:	

NOTE(S) :

RL Reporting Limit
Results and reporting limits have been adjusted for dry weight.
B Estimated result. Result is less than RL.

Phase Separation Sciences

Client Sample ID: 10061114-006

General Chemistry

Lot-Sample #...: C0F150495-006
Date Sampled...: 06/11/10
% Moisture.....: 22

Work Order #...: L2XLR
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	78.4	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	38.3	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-007

General Chemistry

Lot-Sample #...: C0F150495-007
Date Sampled...: 06/11/10
% Moisture.....: 24

Work Order #...: L2XLT
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	76.1	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time...: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	39.4	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time...: 12:50	MS Run #.....:	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-008

General Chemistry

Lot-Sample #...: C0F150495-008 Work Order #...: L2XLW Matrix.....: SOLID
Date Sampled...: 06/11/10 Date Received...: 06/15/10
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	72.3	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	41.5	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit
Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-009

General Chemistry

Lot-Sample #....: C0F150495-009
 Date Sampled...: 06/11/10
 % Moisture.....: 19

Work Order #....: L2XL0
 Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	81.1	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	37.0	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....:	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-010

General Chemistry

Lot-Sample #...: C0F150495-010
Date Sampled...: 06/11/10
% Moisture.....: 19

Work Order #...: L2XL1
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	80.7	1.0	%	SM20 2540G	06/15-06/16/10	0166345
			Dilution Factor: 1	Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	10.9 B	37.2	mg/kg	SW846 9030B/9034	06/17/10	0168065
			Dilution Factor: 1	Analysis Time..: 12:50	MS Run #.....:	

NOTE(S) :

RL Reporting Limit
Results and reporting limits have been adjusted for dry weight.
B Estimated result. Result is less than RL.

Phase Separation Sciences

Client Sample ID: 10061114-011

General Chemistry

Lot-Sample #...: C0F150495-011
Date Sampled...: 06/11/10
% Moisture.....: 14

Work Order #...: L2XL2
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	86.2	1.0	%	SM20 2540G	06/15-06/16/10	0166345
		Dilution Factor: 1		Analysis Time..: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	34.8	mg/kg	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

Phase Separation Sciences

Client Sample ID: 10061114-012

General Chemistry

Lot-Sample #...: C0F150495-012
Date Sampled...: 06/11/10
% Moisture.....: 24

Work Order #...: L2XL3
Date Received...: 06/15/10

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	76.2	1.0	%	SM20 2540G	06/15-06/16/10	0166345
			Dilution Factor: 1	Analysis Time...: 10:01	MS Run #.....: 0166191	
Total Sulfide	ND	39.4	mg/kg	SW846 9030B/9034	06/17/10	0168065
			Dilution Factor: 1	Analysis Time...: 12:50	MS Run #.....:	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C0F150495

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Sulfide	ND	Work Order #: L21561AA 30.0	mg/kg	MB Lot-Sample #: C0F170000-065 SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1				
		Analysis Time...: 12:50				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: C0F150495

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Sulfide		WO#:L21561AC-LCS/L21561AD-LCSD		LCS Lot-Sample#: C0F170000-065			
	98	(85 - 115)			SW846 9030B/9034	06/17/10	0168065
	100	(85 - 115)	1.7	(0-20)	SW846 9030B/9034	06/17/10	0168065
		Dilution Factor: 1		Analysis Time..: 12:50			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

