UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Branch released by SJH - 6-14-05

Date: 06/14/2005

Subject: Results of VOLATILES Sample Analysis
05-0438 PCS Phosphate
White Springs, FL

From: Hale, Sallie Sallie Hale

To: Masters, Arthur

CC: SESD/EIB/ES

Thru: ~~Revells, Lavon~~ Sallie Hale
Chief,Organic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

Sample Disposal Policy:

According to our records this project is not part of a criminal investigation.
Because of our limited space for long term sample storage, we must perform disposals on a routine basis.

Therefore, please take note that within 90 days of the date of this memo, the original samples and all extracts associated with the samples will be disposed of as required by all applicable and appropriate statutes.

These samples may be held in custody for longer than 90 days only by contacting our sample coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov.

ATTACHMENT

Sample 4465 FY 2005 Project: 05-0438

Volatiles Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Hale, Sallie
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

DATA REPORTED ON WET WEIGHT BASIS

RESULTS	UNITS	ANALYTE
2.0 UJ	MG/KG	Dichlorodifluoromethane
2.0 UJ	MG/KG	Chloromethane
2.0 UJ	MG/KG	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)
2.0 UJ	MG/KG	Methyl T-Butyl Ether (MTBE)
2.0 UJ	MG/KG	Bromomethane
2.0 UJ	MG/KG	Cyclohexane
2.0 UJ	MG/KG	Vinyl Chloride
2.0 UJ	MG/KG	Chloroethane
2.0 UJ	MG/KG	Trichlorofluoromethane (Freon 11)
2.0 UJ	MG/KG	1,1-Dichloroethene (1,1-Dichloroethylene)
2.0 UJ	MG/KG	Methylene Chloride
4.0 UJ	MG/KG	Acetone
2.0 UJ	MG/KG	Carbon Disulfide
2.0 UJ	MG/KG	Methyl Acetate
2.0 UJ	MG/KG	1,1-Dichloroethane
2.0 UJ	MG/KG	cis-1,2-Dichloroethene
2.0 UJ	MG/KG	2,2-Dichloropropane
10 UJ	MG/KG	Methyl Ethyl Ketone
2.0 UJ	MG/KG	Bromochloromethane
2.0 UJ	MG/KG	trans-1,2-Dichloroethene
2.0 UJ	MG/KG	Chloroform
2.0 UJ	MG/KG	1,2-Dichloroethane
2.0 UJ	MG/KG	1,1,1-Trichloroethane
2.0 UJ	MG/KG	1,1-Dichloropropene
2.0 UJ	MG/KG	Carbon Tetrachloride
2.0 UJ	MG/KG	Bromodichloromethane
2.0 UJ	MG/KG	Methyl Isobutyl Ketone
2.0 UJ	MG/KG	1,2-Dichloropropane
2.0 UJ	MG/KG	Methylcyclohexane
2.0 UJ	MG/KG	Dibromomethane
2.0 UJ	MG/KG	trans-1,3-Dichloropropene
2.0 UJ	MG/KG	Trichloroethene (Trichloroethylene)
2.0 UJ	MG/KG	Benzene
2.0 UJ	MG/KG	Dibromochloromethane
2.0 UJ	MG/KG	1,1,2-Trichloroethane
2.0 UJ	MG/KG	cis-1,3-Dichloropropene
2.0 UJ	MG/KG	Bromoform
2.0 UJ	MG/KG	Bromobenzene
2.0 UJ	MG/KG	1,1,2,2-Tetrachloroethane
2.0 UJ	MG/KG	Tetrachloroethene (Tetrachloroethylene)
2.0 UJ	MG/KG	1,3-Dichloropropane
4.0 UJ	MG/KG	Methyl Butyl Ketone
2.0 UJ	MG/KG	Toluene
2.0 UJ	MG/KG	Chlorobenzene
2.0 UJ	MG/KG	1,1,1,2-Tetrachloroethane
0.44 J	MG/KG	Ethyl Benzene
5.0 J	MG/KG	(m- and/or p-)Xylene
2.7 J	MG/KG	o-Xylene
2.0 UJ	MG/KG	Styrene
2.0 UJ	MG/KG	1,2,3-Trichloropropane
2.0 UJ	MG/KG	o-Chlorotoluene
2.0 UJ	MG/KG	p-Chlorotoluene
2.0 UJ	MG/KG	1,3-Dichlorobenzene
2.0 UJ	MG/KG	1,4-Dichlorobenzene
2.0 UJ	MG/KG	1,2-Dichlorobenzene
2.0 UJ	MG/KG	1,2-Dibromoethane (EDB)
0.42 J	MG/KG	Isopropylbenzene
0.68 J	MG/KG	n-Propylbenzene
4.9 J	MG/KG	1,3,5-Trimethylbenzene
2.0 UJ	MG/KG	tert-Butylbenzene
18 J	MG/KG	1,2,4-Trimethylbenzene
1.7 J	MG/KG	sec-Butylbenzene
2.9 J	MG/KG	p-Isopropyltoluene
2.0 UJ	MG/KG	n-Butylbenzene
4.0 UJ	MG/KG	1,2-Dibromo-3-Chloropropane (DBCP)
2.0 UJ	MG/KG	1,2,4-Trichlorobenzene
2.0 UJ	MG/KG	Hexachloro-1,3-Butadiene
2.0 UJ	MG/KG	1,2,3-Trichlorobenzene

Recommended Holding Time Exceeded

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
K-Identification of analyte is acceptable; reported value may be biased high. Actual value expected to be less than the reported value.
L-Identification of analyte is acceptable; reported value may be biased low. Actual value expected to be greater than reported value.
NA-Not Analyzed. | NAI-Not Analyzed due to Interferences. | A-Analyte analyzed in replicate. Reported value is "average" of replicates.
R-Presence or absence of analyte can not be determined from data due to severe quality control problems. Data are rejected and considered unusable.

Sample **4465** FY **2005** Project: **05-0438**

Voa TCLP Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Hale, Sallie
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

RESULTS	UNITS	ANALYTE
NA	MG/L	Vinyl Chloride
NA	MG/L	Trichlorofluoromethane (Freon 11)
NA	MG/L	Acetone
NA	MG/L	1,1-Dichloroethene (1,1-Dichloroethylene)
NA	MG/L	Carbon Disulfide
NA	MG/L	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)
NA	MG/L	Methylene Chloride
NA	MG/L	Methyl Ethyl Ketone
NA	MG/L	Chloroform
NA	MG/L	1,1,1-Trichloroethane
NA	MG/L	Carbon Tetrachloride
NA	MG/L	1,2-Dichloroethane
NA	MG/L	Benzene
NA	MG/L	Trichloroethene (Trichloroethylene)
NA	MG/L	Methyl Isobutyl Ketone
NA	MG/L	Toluene
NA	MG/L	Tetrachloroethene (Tetrachloroethylene)
NA	MG/L	Chlorobenzene
NA	MG/L	Ethyl Benzene
NA	MG/L	(m- and/or p-)Xylene
NA	MG/L	o-Xylene
NA	MG/L	1,3-Dichlorobenzene
NA	MG/L	1,4-Dichlorobenzene
NA	MG/L	1,2-Dichlorobenzene

No compounds exceeded the whole sample fail concentration

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Sample **4465** FY **2005** Project: **05-0438**

MISCELLANEOUS COMPOUNDS

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Hale, Sallie
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

RESULTS	UNITS	ANALYTE
N	MG/KG	Petroleum Product

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

MEMORANDUM

Date: 06/23/2005

Subject: Results of METALS Sample Analysis
05-0438 PCS Phosphate
White Springs, FL

From: VanCuron, Francine
To: Masters, Arthur

FILE COPY

CC: SESD/EIB/ES

Thru: Scifres, Jenny
Chief, Inorganic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

Sample Disposal Policy:

According to our records this project is not part of a criminal investigation.
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Therefore, please take note that within 90 days of the date of this memo, the original samples and all extracts associated with the samples will be disposed of as required by all applicable and appropriate statutes.

These samples may be held in custody for longer than 90 days only by contacting our sample coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov.

ATTACHMENT

Sample 4465 FY 2005 Project: 05-0438

Metals TCLP Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: VanCuron, Francine
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

RESULTS	UNITS	ANALYTE
NA	MG/L	Silver
NA	MG/L	Arsenic
NA	MG/L	Barium
NA	MG/L	Cadmium
NA	MG/L	Chromium
NA	MG/L	Lead
NA	MG/L	Selenium
NA	MG/L	Total Mercury
NA	MG/L	Antimony
NA	MG/L	Beryllium
NA	MG/L	Nickel
NA	MG/L	Thallium
NA	MG/L	Vanadium
NA	MG/L	Zinc

Cannot Exceed TCLP Regulatory Levels based on Total Scan Analyses.

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METALS SAMPLE ANALYSIS

EPA - REGION IV SESD, ATHENS, GA

Production Date: 06/23/2005 10:54

Sample **4465** FY **2005** Project: **05-0438**

Metals Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: VanCuron, Francine
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

DATA REPORTED ON WET WEIGHT BASIS

RESULTS	UNITS	ANALYTE
0.48 U	MG/KG	Silver
0.48 U	MG/KG	Arsenic
0.51 U	MG/KG	Barium
0.29 U	MG/KG	Beryllium
0.24 U	MG/KG	Cadmium
0.48 U	MG/KG	Cobalt
0.48 U	MG/KG	Chromium
1.1 AJ	MG/KG	Copper
15 AJ	MG/KG	Molybdenum
0.97 U	MG/KG	Nickel
0.51 A	MG/KG	Lead
0.48 U	MG/KG	Antimony
0.97 U	MG/KG	Selenium
1.4 U	MG/KG	Tin
0.56 U	MG/KG	Strontium
0.68 AJ	MG/KG	Titanium
0.48 U	MG/KG	Thallium
0.48 U	MG/KG	Vanadium
0.29 U	MG/KG	Yttrium
7.6 AJ	MG/KG	Zinc
0.092 U	MG/KG	Total Mercury
15 AJ	MG/KG	Aluminum
0.48 U	MG/KG	Manganese
500 AJ	MG/KG	Calcium
24 U	MG/KG	Magnesium
64 AJ	MG/KG	Iron
97 U	MG/KG	Sodium
97 U	MG/KG	Potassium
NA		% Moisture

Matrix Precision outside Method Acceptance Criteria for Cu, Mo, Ti, Zn, Al, Ca, Fe.

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FILE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720

branch released by SJH 6-29-05

MEMORANDUM

Date: 06/28/2005

Subject: Results of EXTRACTABLES Sample Analysis
05-0438 PCS Phosphate
White Springs, FL

From: Revell, Dennis DJR

To: Masters, Arthur

CC: SESD/EIB/ES

Thru: ~~Revells, Lavon~~ Sallie Hale
Chief,Organic Chemistry Section
Analytical Support Branch

Attached are the results of analysis of samples collected as part of the subject project. If you have any questions, please contact me.

Sample Disposal Policy:

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ATTACHMENT

Sample 4465 FY 2005 Project: 05-0438

Extractables Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Revell, Dennis
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

DATA REPORTED ON WET WEIGHT BASIS

RESULTS	UNITS	ANALYTE
180 U	MG/KG	bis(2-Chloroethyl) Ether
180 U	MG/KG	Benzaldehyde
180 U	MG/KG	Hexachloroethane
180 U	MG/KG	bis(2-Chloroisopropyl) Ether
180 U	MG/KG	n-Nitroso di-n-Propylamine
180 U	MG/KG	Acetophenone
180 U	MG/KG	Nitrobenzene
180 U	MG/KG	Hexachlorobutadiene
180 U	MG/KG	Caprolactam
380	MG/KG	2-Methylnaphthalene
180 U	MG/KG	1,2,4-Trichlorobenzene
180 U	MG/KG	Naphthalene
230 U	MG/KG	4-Chloroaniline
180 U	MG/KG	bis(2-Chloroethoxy)Methane
180 U	MG/KG	Isophorone
180 U	MG/KG	Hexachlorocyclopentadiene (HCCP)
180 U	MG/KG	1,1-Biphenyl
180 U	MG/KG	2-Chloronaphthalene
180 U	MG/KG	2-Nitroaniline
180 U	MG/KG	Acenaphthylene
180 U	MG/KG	Acenaphthene
180 U	MG/KG	Dimethyl Phthalate
180 U	MG/KG	Dibenzofuran
180 U	MG/KG	2,4-Dinitrotoluene
180 U	MG/KG	2,6-Dinitrotoluene
320 U	MG/KG	3-Nitroaniline
180 U	MG/KG	4-Chlorophenyl Phenyl Ether
280 U	MG/KG	4-Nitroaniline
110 J	MG/KG	Fluorene
180 U	MG/KG	Diethyl Phthalate
180 U	MG/KG	n-Nitrosodiphenylamine/Diphenylamine
180 U	MG/KG	Hexachlorobenzene (HCB)
290 U	MG/KG	Atrazine
180 U	MG/KG	4-Bromophenyl Phenyl Ether
270	MG/KG	Phenanthrene

RESULTS	UNITS	ANALYTE
180 U	MG/KG	Anthracene
200 U	MG/KG	Carbazole
180 U	MG/KG	Di-n-Butylphthalate
180 U	MG/KG	Fluoranthene
130 J	MG/KG	Pyrene
180 U	MG/KG	Benzyl Butyl Phthalate
180 U	MG/KG	bis(2-Ethylhexyl) Phthalate
180 U	MG/KG	Benzo(a)Anthracene
140 J	MG/KG	Chrysene
280 U	MG/KG	3,3'-Dichlorobenzidine
180 U	MG/KG	Di-n-Octylphthalate
180 U	MG/KG	Benzo(b)Fluoranthene
180 U	MG/KG	Benzo(k)Fluoranthene
180 U	MG/KG	Benzo-a-Pyrene
180 U	MG/KG	Indeno (1,2,3-cd) Pyrene
180 U	MG/KG	Dibenzo(a,h)Anthracene
180 U	MG/KG	Benzo(ghi)Perylene
180 U	MG/KG	Pyridine
180 U	MG/KG	2-Chlorophenol
210 U	MG/KG	2-Methylphenol
380 U	MG/KG	(3-and/or 4-)Methylphenol
180 U	MG/KG	2-Nitrophenol
180 U	MG/KG	Phenol
360 U	MG/KG	2,4-Dimethylphenol
180 U	MG/KG	2,4-Dichlorophenol
180 U	MG/KG	2,4,6-Trichlorophenol
180 U	MG/KG	2,4,5-Trichlorophenol
180 U	MG/KG	4-Chloro-3-Methylphenol
180 U	MG/KG	2,4-Dinitrophenol
180 U	MG/KG	2-Methyl-4,6-Dinitrophenol
220 U	MG/KG	Pentachlorophenol
180 U	MG/KG	4-Nitrophenol
180 U	MG/KG	2,3,4,6-Tetrachlorophenol

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
N-Presumptive evidence analyte is present; analyte reported as tentative identification. | NJ-Presumptive evidence analyte is present; analyte reported as tentative identification. Reported value is an estimate.
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Sample **4465** FY **2005** Project: **05-0438**

Ext TCLP Scan

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Revell, Dennis
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

RESULTS	UNITS	ANALYTE
NA	MG/L	Pyridine
NA	MG/L	Hexachloroethane
NA	MG/L	Nitrobenzene
NA	MG/L	Hexachlorobutadiene
NA	MG/L	2,4-Dinitrotoluene
NA	MG/L	Hexachlorobenzene (HCB)
NA	MG/L	2-Methylphenol
NA	MG/L	(3-and/or 4-)Methylphenol
NA	MG/L	2,4,6-Trichlorophenol
NA	MG/L	2,4,5-Trichlorophenol
NA	MG/L	Pentachlorophenol
NA	MG/L	2,3,4,6-Tetrachlorophenol

TCLP not needed as per conversation with Art Masters on 6-23-05 (D. Revell).

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
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Sample **4465** FY **2005** Project: **05-0438**

MISCELLANEOUS COMPOUNDS

Facility: PCS Phosphate White Springs, FL
Program: RCRE
Id/Station: SCC01 /
Media: WASTE

Produced by: Revell, Dennis
Requestor: Jeff Pallas
Project Leader: AMASTERS
Beginning: 04/13/2005 17:55
Ending:

RESULTS	UNITS	ANALYTE
N	MG/KG	Petroleum Product
180 U	MG/KG	Cyclohexanone

U-Analyte not detected at or above reporting limit. | J-Identification of analyte is acceptable; reported value is an estimate. | UJ-Analyte not detected at or above reporting limit. Reporting limit is an estimate.
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