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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV, ATHENS, GA 30613

DATE JUL 29 1982

SUBJECT Results of Pesticide Analyses; SAAD Site; Nashville, Tennessee

FROM Tom B. Bennett, Jr., Chief
Chemistry Section, ASB

TO Doug Lair, Chief
Hazardous Waste Section, ESB

Attached are results of pesticide analyses on subject samples. These samples were prepared for analyses by the NEIC hot lab.

Metals analyses on these samples are still in process.

Tom B.

Tom B. Bennett, Jr.

Attachments

cc: Mike Carter

DATE: 06/21/82

PESTICIDES/PCB'S AND OTHER CHLORINATED COUMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE (DRY WT)

EPA-SAD, RGN. IV
ATHENS, GA

PROJECT #: 82-131 PROG ELEMENT #: NSF

SAMPLE RECEIVED (DATE & TIME): 06/17/82 1515

SOURCE: SAAD OIL COMPANY

SAMPLE TYPE: SOIL

SAMPLE START (DATE & TIME): 05/19/82 1130

CITY: NASHVILLE STATE: TN

SAMPLE STOP (DATE & TIME): 00/00/00 0

STATION: 05000 STAINED SOIL SAMPLE

SAD NO.: 82C1635

CHEMIST: E.W. Loy, Jr COMPLETED 7/19/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
ALDRIN	39333	4000U	UG/KG	*	HEXACHLORONORBORNADIENE (HCNBD)		NA	UG/KG
HEPTACHLOR	39413	4000U	UG/KG	*	HEPTACHLORONORBORNENE (HCNB)		NA	UG/KG
HEPTACHLOR EPOXIDE	39423	4000U	UG/KG	*	OCTACHLOROCYCLOPENTENE (OCCP)		NA	UG/KG
ALPHA-BHC	39076	4000U	UG/KG	*	HEXACHLOROBENZENE (HCB)	39701	NA	UG/KG
BETA-BHC	34257	4000U	UG/KG	*	2,4-D	39731	NA	UG/KG
GAMMA-BHC (LINDANE)	39343	4000U	UG/KG	*	SILVEX (2,4,5-TP)	39761	NA	UG/KG
DELTA-BHC	34262	4000U	UG/KG	*	2,4,5-T	39741	NA	UG/KG
ENDOSULFAN I (ALPHA)	34364	4000U	UG/KG	*	% MOISTURE	70320	NA	
DIELDRIN	39383	4000U	UG/KG	*				UG/KG
4,4'-DDT (P,P'-DDT)	39301	8000U	UG/KG	*				UG/KG
4,4'-DDE (P,P'-DDE)	39321	8000U	UG/KG	*				UG/KG
4,4'-DDD (P,P'-DDD)	39311	8000U	UG/KG	*				UG/KG
ENDRIN	39393	8000U	UG/KG	*				UG/KG
ENDOSULFAN II (BETA)	34359	8000U	UG/KG	*				UG/KG
ENDOSULFAN SULFATE	34354	10000U	UG/KG	*				UG/KG
CHLORDANE (TECH. MIXTURE)	39351	40000U	UG/KG	*				UG/KG
PCB-1242 (AROCLOR 1242)	39499	40000U	UG/KG	*				UG/KG
PCB-1254 (AROCLOR 1254)	39507	10000U	UG/KG	*				UG/KG
PCB-1221 (AROCLOR 1221)	39491	40000U	UG/KG	*				UG/KG
PCB-1232 (AROCLOR 1232)	39495	40000U	UG/KG	*				UG/KG
PCB-1248 (AROCLOR 1248)	39503	40000U	UG/KG	*				UG/KG
PCB-1260 (AROCLOR 1260)	39511	10000U	UG/KG	*				UG/KG
PCB-1016 (AROCLOR 1016)	39514	40000U	UG/KG	*				UG/KG
TOXAPHENE	39403	200000U	UG/KG	*				UG/KG
ENDRIN ALDEHYDE	34369	NA	UG/KG	*				UG/KG
TCDD (DIOXIN)	34678	NA	UG/KG	*				UG/KG
CHLORDENE /8	81765	--	UG/KG	*				UG/KG
ALPHA-CHLORDENE /8		--	UG/KG	*				UG/KG
GAMMA-CHLORDENE /8		--	UG/KG	*				UG/KG
1-HYDROXYCHLORDENE		--	UG/KG	*				UG/KG
GAMMA-CHLORDANE /8	39811	--	UG/KG	*				UG/KG
TRANS-NONACHLOR /8	39073	--	UG/KG	*				UG/KG
ALPHA-CHLORDANE /8		--	UG/KG	*				UG/KG
CIS-NONACHLOR /8	39070	--	UG/KG	*				UG/KG
METHOXYCHLOR	39481	NA	UG/KG	*				UG/KG
HEXACHLOROCYCLOPENTADIENE (HCCP)	34389	NA	UG/KG	*				UG/KG
HEXACHLORONORBORNADIENE (HCNBD)		NA	UG/KG					

NOTES: 1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
3) L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED
THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR
8) CONSTITUENTS OF TECHNICAL CHLORDANE

DATE:06/21/82

PESTICIDES/PCB'S AND OTHER CHLORINATED COUMPOUNDS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-SAD.RGN.IV
ATHENS,GA

PROJECT #: 82-131 PROG ELEMENT #: NSF

SAMPLE RECEIVED(DATE & TIME): 06/17/82 1515

SOURCE: SAAD OIL COMPANY

SAMPLE TYPE: SOIL

SAMPLE START(DATE & TIME):05/19/82 1145

CITY: NASHVILLE STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: 05001 STANDARD SOIL SAMPLE

SAD NO.: 82C1638

CHEMIST: E.W. Loy, Jr. COMPLETED 7/19/82

COMPOUND	STORET#		UNITS		COMPOUND	STORET#		UNITS
ALDRIN	39333	500U	UG/KG	*	HEXACHLORONORBORNADIENE (HCNBD)		NA	UG/KG
HEPTACHLOR	39413	500U	UG/KG	*	HEPTACHLORONORBORNENE (HCNB)		NA	UG/KG
HEPTACHLOR EPOXIDE	39423	500U	UG/KG	*	OCTACHLOROCYCLOPENTENE (OCCP)		NA	UG/KG
ALPHA-BHC	39076	500U	UG/KG	*	HEXACHLOROBENZENE (HCB)	39701	NA	UG/KG
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DELTA-BHC	34262	500U	UG/KG	*	2,4,5-T	39741	NA	UG/KG
ENDOSULFAN I (ALPHA)	34364	500U	UG/KG	*	% MOISTURE	70320	NA	
DIELDRIN	39383	500U	UG/KG	*				UG/KG
4,4'-DDT (P,P'-DDT)	39301	800U	UG/KG	*				UG/KG
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GAMMA-CHLORDENE /8		--	UG/KG	*				UG/KG
1-HYDROXYCHLORDENE		--	UG/KG	*				UG/KG
GAMMA-CHLORDANE /8	39811	--	UG/KG	*				UG/KG
TRANS-NONACHLOR /8	39073	--	UG/KG	*				UG/KG
ALPHA-CHLORDANE /8		--	UG/KG	*				UG/KG
CIS-NONACHLOR /8	39070	--	UG/KG	*				UG/KG
METHOXYCHLOR	39481	NA	UG/KG	*				UG/KG
HEXACHLOROCYCLOPENTADIENE (HCCP)	34389	NA	UG/KG	*				UG/KG
HEXACHLORONORBORNADIENE (HCNBD)		NA	UG/KG					

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THE NUMBER IS THE MINIMUM DETECTION LIMIT.
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6) A-AVERAGE VALUE
7) NA-COMPOUND NOT ANALYZED FOR
8) CONSTITUENTS OF TECHNICAL CHLORDANE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2 2 0120

DATE AUG 6 1982 REGION IV, ATHENS, GEORGIA

SUBJECT Results of Metals Analyses; SAAD Site; Nashville, Tennessee

FROM Tom B. Bennett, Jr., Chief
Chemistry Section, ASB

TO Doug Lair, Chief
Hazardous Waste Section, ESB

Attached are results of metals analyses on subject two samples. Delay was due to samples having to be prepared again by NEIC "Hot Lab."

This completes all analyses on this project.

Tom B.

Tom B. Bennett, Jr.

Attachments

cc: Mike Carter

EPA Form 1320-6 (Rev. 3-76)

DATE:08/04/82

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-ESD.RGN.IV
ATHENS.GA

PROJECT #: 82-131 PROG ELEMENT #: NSF

SAMPLE RECEIVED(DATE & TIME): 07/16/82 700

SOURCE: SAAD OIL COMPANY

SAMPLE TYPE: SOIL

SAMPLE START(DATE & TIME):05/19/82 1130

CITY: NASHVILLE STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: 05000 18" SOIL SAMPLE(PREP BY NEIC)

SAD NO.: 82C1795

CHEMIST: WHM METHOD:

RESULTS	UNITS	ELEMENT	STORET
8.4	MG/KG	SILVER	01078
16U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
250	MG/KG	BARIUM	01008
4U	MG/KG	BE-YLLIUM	01013
31	MG/KG	CADMIUM	01028
8U	MG/KG	COBALT	01038
180	MG/KG	CHROMIUM	01029
170	MG/KG	COPPER	01043
8U	MG/KG	MOLYBDENUM	01063
96	MG/KG	NICKEL	01068
410	MG/KG	LEAD	01052
16U	MG/KG	ANTIMONY	01098
16U	MG/KG	SELENIUM	01148
40U	MG/KG	TIN	01103
140	MG/KG	STRONTIUM	01083
16U	MG/KG	TELLURIUM	45513
74	MG/KG	TITANIUM	01153
40U	MG/KG	THALLIUM	34480
15	MG/KG	VANADIUM	01088
14	MG/KG	YTTRIUM	45514
860	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
NA	MG/KG	MERCURY	71921
9800	MG/KG	ALUMINUM	01108
680	MG/KG	MANGANESE	01053
67000	MG/KG	CALCIUM	00917
6700	MG/KG	MAGNESIUM	00924
18000	MG/KG	IRON	01170
680	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM.HEXAVALENT	
		% MOISTURE	70320

DATA VERIFIED BY: MAW

NOTES: 1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
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4) U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED.
THE NUMBER IS THE MINIMUM DETECTION LIMIT.
5) N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
6) A-AVERAGE VALUE
7) NA-NOT ANALYZED
8) NAI-INTERFERENCES

DATE:08/04/82

METALS
DATA REPORTING SHEET
SEDIMENT/SOIL/SLUDGE(DRY WT)

EPA-ESD,RGN.IV
ATHENS,GA

PROJECT #: 82-131 PROG ELEMENT #: NSF

SAMPLE RECEIVED(DATE & TIME): 07/16/82 700

SOURCE: SAAD OIL COMPANY

SAMPLE TYPE: SOIL

SAMPLE START(DATE & TIME):05/19/82 1145

CITY: NASHVILLE STATE: TN

SAMPLE STOP(DATE & TIME): 00/00/00 0

STATION: D5000 6" SOIL SAMPLE(PREP BY NEIC)

SAD NO.: 82C1796

CHEMIST: WHM METHOD:

RESULTS	UNITS	ELEMENT	STORET
4U	MG/KG	SILVER	01078
16U	MG/KG	ARSENIC	01003
NA	MG/KG	BORON	01023
240	MG/KG	BARIUM	01008
4U	MG/KG	BERYLLIUM	01013
4U	MG/KG	CADMIUM	01028
8U	MG/KG	COBALT	01038
34	MG/KG	CHROMIUM	01029
26	MG/KG	COPPER	01043
8U	MG/KG	MOLYBDENUM	01063
20	MG/KG	NICKEL	01068
100	MG/KG	LEAD	01052
16U	MG/KG	ANTIMONY	01098
16U	MG/KG	SELENIUM	01148
40U	MG/KG	TIN	01103
230	MG/KG	STRONTIUM	01083
16U	MG/KG	TELLURIUM	45513
120	MG/KG	TITANIUM	01153
40U	MG/KG	THALLIUM	34480
25	MG/KG	VANADIUM	01088
24	MG/KG	YTTRIUM	45514
150	MG/KG	ZINC	01093
NA	MG/KG	ZIRCONIUM	01163
NA	MG/KG	MERCURY	71921
19000	MG/KG	ALUMINUM	01108
1200	MG/KG	MANGANESE	01053
57000	MG/KG	CALCIUM	00917
4600	MG/KG	MAGNESIUM	00924
25000	MG/KG	IRON	01170
450	MG/KG	SODIUM	00934
NA	MG/KG	CHROMIUM,HEXAVALENT	
		% MOISTURE	70320

DATA VERIFIED BY: MAW

NOTES: 1) J-ESTIMATED VALUE
2) K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN.
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