LAFAYF
500 AMBASS
SC
PH

Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS
1 WESTVACO ROAD
GREEN RIVER, WY 82935
ATTN: DOLLY POTTER

P.O.#
PO# P1027(
DATE: 01/31/9

PROJECT: GREEN RIVER, WY
SITE:
SAMPLED BY: SOLVAY MINERALS
SAMPLE ID: TRONA ORE RUN #1 GAS

PROJECT NO:
MATRIX: SOLID
DATE SAMPLED:
DATE RECEIVED: 01/19/95

Vols

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNIT.
Total Petroleum Hydrocarbons Method Mod. 418.1 * Analyzed by: DB Date: 01/19/95 16:00:00	260	10 P	mg/K

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control.
Results reported on a Wet Weight Basis unless otherwise noted.

CAG/John Troost, Laboratory Manager

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKW
SCOTT, LOUISIANA
ZIP 70583 8544
PHONE (318) 237 4775

Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS
1 WESTVACO ROAD
GREEN RIVER, WY 82935
ATTN: DOLLY POTTER

P.O.#
PO# P1027
01/31/9

PROJECT: GREEN RIVER, WY
SITE:
SAMPLED BY: SOLVAY MINERALS
SAMPLE ID: TRONA ORE RUN #1 GAS

PROJECT NO:
MATRIX: SOLID
DATE SAMPLED:
DATE RECEIVED: 01/19/95

ANALYTICAL DATA

PARAMETER		RESULTS	PQL*	UNITS
Acetone		ND	100	ug/Kg
Benzene		9	5	ug/Kg
Bromodichloromethane		ND	5	ug/Kg
Bromoform		ND	5	ug/Kg
Bromomethane		ND	10	ug/Kg
2-Butanone		ND	10	ug/Kg
Carbon Disulfide		ND	5	ug/Kg
Carbon Tetrachloride		ND	5	ug/Kg
Chlorobenzene		ND	5	ug/Kg
Chloroethane		ND	10	ug/Kg
2-Chloroethylvinylether		ND	10	ug/Kg
Chloroform		ND	5	ug/Kg
Chloromethane		ND	10	ug/Kg
Dibromochloromethane		ND	5	ug/Kg
1,1-Dichloroethane		ND	5	ug/Kg
1,1-Dichloroethene		ND	5	ug/Kg
1,2-Dichloroethane		ND	5	ug/Kg
cis-1,2-Dichloroethene		ND	5	ug/Kg
trans-1,2-Dichloroethene		ND	5	ug/Kg
total-1,2-Dichloroethene		ND	5	ug/Kg
1,2-Dichloropropane		ND	5	ug/Kg
cis-1,3-Dichloropropene		ND	5	ug/Kg
trans-1,3-Dichloropropene		ND	5	ug/Kg
Ethylbenzene		29	5	ug/Kg
2-Hexanone		ND	10	ug/Kg
Methylene Chloride	B	10	5	ug/Kg
4-Methyl-2-Pentanone		ND	10	ug/Kg
Styrene		ND	5	ug/Kg
1,1,2,2-Tetrachloroethane		ND	5	ug/Kg
Tetrachloroethene		ND	5	ug/Kg
Toluene		100	5	ug/Kg
1,1,1-Trichloroethane		ND	5	ug/Kg
1,1,2-Trichloroethane		ND	5	ug/Kg
Trichloroethene		ND	5	ug/Kg
Trichlorofluoromethane		ND	5	ug/Kg
Vinyl Acetate		ND	10	ug/Kg
Vinyl Chloride		ND	10	ug/Kg
Xylenes (total)		190	5	ug/Kg

METHOD: 8240, Volatile Organics - Soil
(continued on next page)

LAFAYETTE AREA LAB
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Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS

SAMPLE ID: TRONA ORE RUN #1 GAS

ANALYTICAL DATA (continued)

PARAMETER	RESULTS	PQL*	UNITS
m,p-Xylene(s)	180	5	ug/Kg
o-Xylene	6	5	ug/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/Kg	102	70	121
Toluene-d8	50 ug/Kg	106	84	138
4-Bromofluorobenzene	50 ug/Kg	97	59	113

ANALYZED BY: YTS DATE/TIME: 01/26/95 19:37:00
METHOD: 8240, Volatile Organics - Soil
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed
B = Compound present in Method Blank

COMMENTS: Method 8240 Associated Blank:Z030B02 File ID:Z030S01
B = Laboratory Blank Contribution of 9

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control.
Results reported on a Wet Weight Basis unless otherwise noted.

CAG/John Troost, Laboratory Manager

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

Data: /chem/i/z950130.b/z030s01.d
Report Date: 01-Feb-1995 10:46

SPL Laboratories

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Solvay Minerals
Lab Smp Id: 9501765-01B-8240S/1X
Operator : MPM
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: z950130

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.572	32	J
2.	78-78-4	Butane, 2-methyl-	2.089	43	NJ
3.	96-37-7	Cyclopentane, methyl-	4.554	92	NJ
4.	1192-18-3	Cyclopentane, 1,2-dimethyl-	5.890	17	NJ
5.	108-87-2	Cyclohexane, methyl-	6.631	30	NJ
6.	3073-66-3	Cyclohexane, 1,1,3-trimethy	8.903	23	NJ
7.		Unknown	12.340	34	J

Qualifiers:
N = A spectroscopist's opinion that the particular compound listed is present in the sample (presumptive evidence only)
J = Estimated value

By: MPM
Date: 01-30-95

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Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS
1 WESTVACO ROAD
GREEN RIVER, WY 82935
ATTN: DOLLY POTTER

P.O.#
PO# P1027
01/31/9

PROJECT: GREEN RIVER, WY
SITE:
SAMPLED BY: SOLVAY MINERALS
SAMPLE ID: TRONA ORE RUN #1 GAS

PROJECT NO:
MATRIX: SOLID
DATE SAMPLED:
DATE RECEIVED: 01/19/95

Semi-vols

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acenaphthene	ND	330	ug/Kg
Acenaphthylene	ND	330	ug/Kg
Aniline	ND	330	ug/Kg
Anthracene	ND	330	ug/Kg
Benzo(a)Anthracene	ND	330	ug/Kg
Benzo(b)Fluoranthene	ND	330	ug/Kg
Benzo(k)Fluoranthene	ND	330	ug/Kg
Benzo(a)Pyrene	ND	330	ug/Kg
Benzoic Acid	ND	1700	ug/Kg
Benzo(g,h,i)Perylene	ND	330	ug/Kg
Benzyl alcohol	ND	330	ug/Kg
4-Bromophenylphenyl ether	ND	330	ug/Kg
Butylbenzylphthalate	ND	330	ug/Kg
di-n-Butyl phthalate	ND	330	ug/Kg
Carbazole	ND	330	ug/Kg
4-Chloroaniline	ND	330	ug/Kg
bis(2-Chloroethoxy)Methane	ND	330	ug/Kg
bis(2-Chloroethyl)Ether	ND	330	ug/Kg
bis(2-Chloroisopropyl)Ether	ND	330	ug/Kg
4-Chloro-3-Methylphenol	ND	330	ug/Kg
2-Chloronaphthalene	ND	330	ug/Kg
2-Chlorophenol	ND	330	ug/Kg
4-Chlorophenylphenyl ether	ND	330	ug/Kg
Chrysene	ND	330	ug/Kg
Dibenz(a,h)Anthracene	ND	330	ug/Kg
Dibenzofuran	ND	330	ug/Kg
1,2-Dichlorobenzene	ND	330	ug/Kg
1,3-Dichlorobenzene	ND	330	ug/Kg
1,4-Dichlorobenzene	ND	330	ug/Kg
3,3'-Dichlorobenzidine	ND	330	ug/Kg
2,4-Dichlorophenol	ND	330	ug/Kg
Diethylphthalate	ND	330	ug/Kg
2,4-Dimethylphenol	ND	330	ug/Kg
Dimethyl Phthalate	ND	330	ug/Kg
4,6-Dinitro-2-Methylphenol	ND	830	ug/Kg
2,4-Dinitrophenol	ND	830	ug/Kg
2,4-Dinitrotoluene	ND	330	ug/Kg
2,6-Dinitrotoluene	ND	330	ug/Kg

METHOD: 8270, Semivolatile Organics - Soil
(continued on next page)

LAFAYETTE AREA LAB
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PHONE: (318) 237 4775

Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS

SAMPLE ID: TRONA ORE RUN #1 GAS

ANALYTICAL DATA (continued)

PARAMETER	RESULTS	PQL*	UNITS
1,2-Diphenylhydrazine	ND	330	ug/Kg
bis(2-Ethylhexyl)Phthalate	ND	330	ug/Kg
Fluoranthene	ND	330	ug/Kg
Fluorene	ND	330	ug/Kg
Hexachlorobenzene	ND	330	ug/Kg
Hexachlorobutadiene	ND	330	ug/Kg
Hexachloroethane	ND	330	ug/Kg
Hexachlorocyclopentadiene	ND	330	ug/Kg
Indeno(1,2,3-cd)Pyrene	ND	330	ug/Kg
Isophorone	ND	330	ug/Kg
2-Methylnaphthalene	ND	330	ug/Kg
2-Methylphenol	ND	330	ug/Kg
4-Methylphenol	ND	330	ug/Kg
Naphthalene	ND	330	ug/Kg
2-Nitroaniline	ND	830	ug/Kg
3-Nitroaniline	ND	830	ug/Kg
4-Nitroaniline	ND	830	ug/Kg
Nitrobenzene	ND	330	ug/Kg
2-Nitrophenol	ND	330	ug/Kg
4-Nitrophenol	ND	830	ug/Kg
N-Nitrosodiphenylamine (1)	ND	330	ug/Kg
N-Nitroso-Di-n-Propylamine	ND	330	ug/Kg
Di-n-Octyl Phthalate	ND	330	ug/Kg
Pentachlorophenol	ND	830	ug/Kg
Phenanthrene	ND	330	ug/Kg
Phenol	ND	330	ug/Kg
Pyrene	ND	330	ug/Kg
Pyridine	ND	330	ug/Kg
1,2,4-Trichlorobenzene	ND	330	ug/Kg
2,4,5-Trichlorophenol	ND	830	ug/Kg
2,4,6-Trichlorophenol	ND	330	ug/Kg

METHOD: 8270, Semivolatile Organics - Soil
(continued on next page)

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Certificate of Analysis No. L1-9501765-01

SOLVAY MINERALS

SAMPLE ID: TRONA ORE RUN #1 GAS

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Nitrobenzene-d5	1700 ug/Kg	73	23	110
2-Fluorobiphenyl	1700 ug/Kg	80	30	115
Terphenyl-d14	1700 ug/Kg	85	18	137
Phenol-d5	2500 ug/Kg	81	24	113
2-Fluorophenol	2500 ug/Kg	80	25	121
2,4,6-Tribromophenol	2500 ug/Kg	57	19	122
2-Chlorophenol-d4	2500 ug/Kg	80	20	130
1,2-Dichlorobenzene-d4	1700 ug/Kg	67	20	130

ANALYZED BY: YTS DATE/TIME: 01/30/95 22:33:00
EXTRACTED BY: BD DATE/TIME: 01/30/95 15:00:00
METHOD: 8270, Semivolatile Organics - Soil
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS: Method 8270 Associated Blank:Y030B03 File ID:Y030S06

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control.
Results reported on a Wet Weight Basis unless otherwise noted.

CAG/John Troost, Laboratory Manager

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

Da[illegible]/che[illegible]i/y950130.b/y030s06.d
Report Date: 31 Jan 1995 09:48

SPL Laboratories

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Solvay Minerals
Lab Smp Id: 9501765-01C-8270S/1X
Operator : YTS
Sample Location:
Sample Matrix: SOIL
Analysis Type: SV

Client SDG: y950130

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-38-3	Benzene, 1,3-dimethyl-	4.973	660	NJ
2. 544-76-3	Hexadecane	8.940	1000	NJ
3. 629-62-9	Pentadecane	9.141	580	NJ
4. 17301-28-9	Undecane, 3,6-dimethyl-	9.885	850	NJ
5. 629-78-7	Heptadecane	10.129	2200	NJ
6. 1921-70-6	Pentadecane, 2,6,10,14-tetr	10.158	1900	NJ
7. 593-45-3	Octadecane	10.580	590	NJ
8. 75163-97-2	Octadecane, 2,6-dimethyl-	10.637	4300	NJ
9. 629-92-5	Nonadecane	11.017	640	NJ
10. 112-95-8	Eicosane	11.432	810	NJ
11. 629-94-7	Heneicosane	11.840	650	NJ
12. 1921-70-6	Pentadecane, 2,6,10,14-tetr	11.991	640	NJ
13. 629-97-0	Docosane	12.270	900	NJ
14. 638-67-5	Tricosane	12.728	510	NJ
15. 646-31-1	Tetracosane	13.229	670	NJ
16. 629-99-2	Pentacosane	13.774	580	NJ
17. 1921-70-6	Pentadecane, 2,6,10,14-tetr	14.762	870	NJ
18. 593-49-7	Heptacosane	15.041	1100	NJ
19. 481-21-0	Cholestane	17.304	4300	NJ

Q = Qualifiers:
N = A spectroscopist's opinion that the particular compound listed is present in the sample (presumptive evidence only)
J = Estimated value

By: YTS
Date: 01-31-95