	TRONA ORE RUN #1 GAS CALCINER 1-19-95				TRONA ORE RUN #2 GAS CALCINER 1-19-95				TRONA ORE RUN #1 COAL CALCINER 1-19-95			
	mg/kg	PQD	ug/kg	PQD	mg/kg	PQD	ug/kg	PQD	mg/kg	PQD	ug/kg	PQD
COMMENTS												
PARTICULATES - INORGANIC												
PARTICULATES - ORGANICS												
SEMI-VOLS												
ACETOPHENONE												
BIPHENYL												
BIS(2-ETHYLHEXYL)PHTHALATE			ND	330.00			ND	330.00			ND	330.00
2-CHLOROACETOPHENONE												
2-METHYLPHENOL			ND	330.00			ND	330.00			ND	330.00
3/4-METHYLPHENOL			ND	330.00			ND	330.00			ND	330.00
CUMENE												
DIBENZOFURAN			ND	330.00			ND	330.00			ND	330.00
DI-N-BUTYLPHTHALATE			ND	330.00			ND	330.00			ND	330.00
N.N-DIMETHYLANILINE												
NAPHTHALENE			ND	330.00			ND	330.00			ND	330.00
PHENOL			ND	330.00			ND	330.00			ND	330.00
TENTATIVELY ID COMPOUNDS			23750				24080				28200	
VOLS												
1, 3 BUTADIENE												
1-1-1 TRICHLOROETHANE			ND	5.00			ND	5.00			ND	5.00
ACRYLONITRITE												
BENZENE			9.00	5.00			9.00	5.00			11.00	5.00
ETHYL BENZENE			29.00	5.00			29.00	5.00			33.00	5.00
HEXANE												
METHYLENE CHLORIDE			10.00	5.00			ND	5.00			ND	5.00
STYRENE			ND	5.00			ND	5.00			ND	5.00
TOLUENE			100.00	5.00			100.00	5.00			140.00	5.00
XYLENE			190.00	5.00			190.00	5.00			240.00	5.00
CHLOROBENZENE			ND	5.00			ND	5.00			ND	5.00
BROMOMETHANE			ND	10.00			ND	10.00			ND	10.00
2-BUTANONE			ND	10.00			16.00	10.00			12.00	10.00
TRICHLOROETHENE												
CARBON DISULFIDE			ND	5.00			ND	5.00			ND	5.00
CHLOROMETHANE			ND	10.00			ND	10.00			ND	10.00
TENTATIVELY ID COMPOUNDS			271.00				349.00				458.00	
PARAMETERS												
(TPH) PRODUCTION												
ORE SOURCE												
TEMPERATURE(STACK) %F												
% MOISTURE												
% O2												
CO												
% CO2												
% N												
TOTAL HYDRO CARBONS	260.00	10.00			120.00	10.00			110.00	10.00		
METHANE												
AMMONIA												
CFM												
ACFM												
DSCFM												
LAB ANALYSIS												
VOLITILES (%)												
CHLORIDE												
SODIUM CARBONATE (%)												
SODIUM BICARBONATE (%)												
RATIO												
DRY TRONA (%)												
FREE MOISTURE (%)												
H2O INSOL (%)												
TOC - ppm												
SCREEN ANALYSIS +140												
SCREEN ANALYSIS -140 +200												
SCREEN ANALYSIS -200												

	TRONA ORE #1 ORE GAS CALCINER 4-27-95				TRONA ORE #2 ORE COAL CALCINER 4-27-95			
	mg/kg	PQD	ug/kg	PQD	mg/kg	PQD	ug/kg	PQD
COMMENTS								
PARTICULATES - INORGANIC								
PARTICULATES - ORGANICS								
SEMI-VOLS								
ACETOPHENONE								
BIPHENYL								
BIS(2-ETHYLHEXYL)PHTHALATE			ND	330			ND	330
2-CHLOROACETOPHENONE								
2-METHYLPHENOL			ND	330			ND	330
3/4-METHYLPHENOL			ND	330			ND	330
CUMENE								
DIBENZOFURAN			ND	330			ND	330
DI-N-BUTYLPHTHALATE			ND	330			ND	330
N.N-DIMETHYLANILINE								
NAPHTHALENE			ND	330			ND	330
PHENOL			ND	330			ND	330
TENTATIVELY ID COMPOUNDS			98570				63510	
VOLS								
1, 3 BUTADIENE								
1-1-1 TRICHLOROETHANE			ND	25			ND	25
ACRYLONITRITE								
BENZENE			32	25			ND	25
ETHYL BENZENE			100	25			74	25
HEXANE								
METHYLENE CHLORIDE			ND	25			ND	25
STYRENE			ND	25			ND	25
TOLUENE			550	25			300	25
XYLENE			840	25			560	25
CHLOROBENZENE			ND	25			ND	25
BROMOMETHANE			ND	50			ND	50
2-BUTANONE			ND	50			ND	50
TRICHLOROETHENE								
CARBON DISULFIDE			ND	25			ND	25
CHLOROMETHANE			ND	50			ND	50
TENTATIVELY ID COMPOUNDS			1689				1566	
PARAMETERS								
(TPH) PRODUCTION								
ORE SOURCE								
TEMPERATURE(STACK) %F								
% MOISTURE								
% O2								
CO								
% CO2								
% N								
TOTAL HYDRO CARBONS	45	10			33	10		
METHANE								
AMMONIA								
CFM								
ACFM								
DSCFM								
LAB ANALYSIS								
VOLITILES (%)								
CHLORIDE								
SODIUM CARBONATE (%)								
SODIUM BICARBONATE (%)								
RATIO								
DRY TRONA (%)								
FREE MOISTURE (%)								
H2O INSOL (%)								
TOC - ppm								
SCREEN ANALYSIS +140								
SCREEN ANALYSIS -140 +200								
SCREEN ANALYSIS -200								

SOLVAY8_000078

	TRONA 1N-7E PANEL RM 56/150'S BOD BTL H.S. 5-16-95	OIL SHALE 1N-7E PANEL #3 ENT/56 XC BOD BTL H.S. 5-16-95	TRONA 1N-7E PANEL RM 56/150'S BOD BTL H.S. 5-16-95	OIL SHALE 1N-7E PANEL #3 ENT/56 XC BOD BTL H.S. 5-16-95
	ppm	ppm	ppm	ppm
COMMENTS	AMBIENT COND.	AMBIENT COND.	HEATED TO 85C	HEATED TO 85C
PARTICULATES - INORGANIC				
PARTICULATES - ORGANICS				
SEMI-VOLS				
ACETOPHENONE				
BIPHENYL				
BIS(2-ETHYLHEXYL)PHTHALATE				
2-CHLOROACETOPHENONE				
2-METHYLPHENOL				
3/4-METHYLPHENOL				
CUMENE				
DIBENZOFURAN				
DI-N-BUTYLPHTHALATE				
N.N-DIMETHYLANILINE				
NAPHTHALENE				
PHENOL				
TENTATIVELY ID COMPOUNDS				
VOLS				
1, 3 BUTADIENE	BDL	BDL	BDL	BDL
1-1-1 TRICHLOROETHANE	BDL	BDL	BDL	BDL
ACRYLONITRITE			BDL	104.36
BENZENE	BDL	3.68	BDL	BDL
ETHYL BENZENE	7.32	BDL	7.03	45.13
HEXANE	11.11	16.09	BDL 1294	240.37
METHYLENE CHLORIDE	BDL	BDL	BDL	BDL
STYRENE	8.68	12.22	BDL	16.64
TOLUENE	44.11	47.53	9 28.14	544.08
XYLENE	99.74	121.46	42.74	5 648.64
CHLOROBENZENE				
BROMOMETHANE				
2-BUTANONE	BDL	BDL	BDL	35.28
TRICHLOROETHENE	BDL	BDL	BDL	BDL
CARBON DISULFIDE				
CHLOROMETHANE				
TENTATIVELY ID COMPOUNDS				
PARAMETERS				
(TPH) PRODUCTION				
ORE SOURCE				
TEMPERATURE(STACK) %F				
% MOISTURE				
% O2				
CO				
% CO2				
% N				
TOTAL HYDRO CARBONS				
METHANE				
AMMONIA				
CFM				
ACFM				
DSCFM				
LAB ANALYSIS				
VOLITILES (%)				
CHLORIDE				
SODIUM CARBONATE (%)				
SODIUM BICARBONATE (%)				
RATIO				
DRY TRONA (%)				
FREE MOISTURE (%)				
H2O INSOL (%)				
TOC - ppm				
SCREEN ANALYSIS +140				
SCREEN ANALYSIS -140 +200				
SCREEN ANALYSIS -200				

SOLVAY8_000079

BOD BOTTLE HEAD SPACE

	STOPPING FOAM 5-22-95	DUST SUPPRES. 5-22-95	ROAD MATERIAL 5-22-95	STOPPING FOAM 5-22-95	DUST SUPPRES. 5-22-95	ROAD MATERIAL 5-22-95
	ppm	ppm	ppm	ppm	ppm	ppm
COMMENTS	AMBIENT	AMBIENT	AMBIENT	85C	85C	85C
PARTICULATES - INORGANIC						
PARTICULATES - ORGANICS						
SEMI-VOLS						
ACETOPHENONE						
BIPHENYL						
BIS(2-ETHYLHEXYL)PHTHALATE						
2-CHLOROACETOPHENONE						
2-METHYLPHENOL						
3/4-METHYLPHENOL						
CUMENE						
DIBENZOFURAN						
DI-N-BUTYLPHTHALATE						
N.N-DIMETHYLANILINE						
NAPHTHALENE						
PHENOL						
TENTATIVELY ID COMPOUNDS						
VOLS						
1, 3 BUTADIENE	BDL	BDL	BDL	BDL	BDL	BDL
1-1-1 TRICHLOROETHANE	BDL	BDL	BDL	BDL	BDL	BDL
ACRYLONITRITE	BDL	BDL	BDL	BDL	BDL	BDL
BENZENE	BDL	BDL	BDL	BDL	BDL	BDL
ETHYL BENZENE	2.57	1.05	3.32	4 3.16	1.77	BDL
HEXANE	BDL	BDL	BDL	BDL	BDL	2.25
METHYLENE CHLORIDE	BDL	BDL	BDL	BDL	BDL	BDL
STYRENE	2.64	3.48	9.19	4.49	3.91	~~4.49~~ 8.61
TOLUENE	3.13	2.02	1.77	15.23	5 2.66	~~1.65~~ 13.10
XYLENE	27.35	8.18	39.87	64.68	10.47	155.42
CHLOROBENZENE						
BROMOMETHANE						
2-BUTANONE	BDL	BDL	BDL	BDL	BDL	BDL
TRICHLOROETHENE	BDL	BDL	BDL	3.63	BDL	BDL
CARBON DISULFIDE						
CHLOROMETHANE						
TENTATIVELY ID COMPOUNDS						
PARAMETERS						
(TPH) PRODUCTION						
ORE SOURCE						
TEMPERATURE(STACK) %F						
% MOISTURE						
% O2						
CO						
% CO2						
% N						
TOTAL HYDRO CARBONS						
METHANE						
AMMONIA						
CFM						
ACFM						
DSCFM						
LAB ANALYSIS						
VOLITILES (%)						
CHLORIDE						
SODIUM CARBONATE (%)						
SODIUM BICARBONATE (%)						
RATIO						
DRY TRONA (%)						
FREE MOISTURE (%)						
H2O INSOL (%)						
TOC - ppm						
SCREEN ANALYSIS +140						
SCREEN ANALYSIS -140 +200						
SCREEN ANALYSIS -200						

	SHALE 1-19-95		SHALE 1-19-95	
	mg/kg	PQD	ug/kg	PQD
COMMENTS				
PARTICULATES - INORGANIC				
PARTICULATES - ORGANICS				
SEMI-VOLS				
ACETOPHENONE				
BIPHENYL				
BIS(2-ETHYLHEXYL)PHTHALATE			ND	1000.00
2-CHLOROACETOPHENONE				
2-METHYLPHENOL			ND	1000.00
3/4-METHYLPHENOL			ND	1000.00
CUMENE				
DIBENZOFURAN			ND	1000.00
DI-N-BUTYLPHTHALATE			ND	1000.00
N.N-DIMETHYLANILINE				
NAPHTHALENE			ND	1000.00
PHENOL			ND	1000.00
TENTATIVELY ID COMPOUNDS			1794000	
VOLS				
1, 3 BUTADIENE				
1-1-1 TRICHLOROETHANE				
ACRYLONITRITE				
BENZENE				
ETHYL BENZENE				
HEXANE				
METHYLENE CHLORIDE				
STYRENE				
TOLUENE				
XYLENE				
CHLOROBENZENE				
BROMOMETHANE				
2-BUTANONE				
TRICHLOROETHENE				
CARBON DISULFIDE				
CHLOROMETHANE				
TENTATIVELY ID COMPOUNDS				
PARAMETERS				
(TPH) PRODUCTION				
ORE SOURCE				
TEMPERATURE(STACK) %F				
% MOISTURE				
% O2				
CO				
% CO2				
% N				
TOTAL HYDRO CARBONS	500.00	10.00		
METHANE				
AMMONIA				
CFM				
ACFM				
DSCFM				
LAB ANALYSIS				
VOLITILES (%)				
CHLORIDE				
SODIUM CARBONATE (%)				
SODIUM BICARBONATE (%)				
RATIO				
DRY TRONA (%)				
FREE MOISTURE (%)				
H2O INSOL (%)				
TOC - ppm				
SCREEN ANALYSIS +140				
SCREEN ANALYSIS -140 +200				
SCREEN ANALYSIS -200				