

FTIR Summary Report

TERRA AIR SERVICES
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 Houston, Texas 77029
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Customer: Tosco SFR
Location: North Fenceline
Address: 1380 San Pablo Avenue
 Rodeo, CA 94572-1299

Monitoring Period
From: 09/01/1997 00:00:01
To: 09/30/1997 23:59:59

Total Hours: 720.00
Online %: 99.1
Offline %: 0.9

Number of Valid Spectra Collected and Analyzed: 8388

Compound	Path - Average Conc. (ppm)			Detections			Alarms				Path - MDL (ppm)		
	Avg.*	Max*	Min*	Number	Confirmed	False Positive	High Level (ppm)	#	Low Level (ppm)	#	Avg Detect Limit	Max Detect Limit	Min Detect Limit
1,1,1 Trichloroethane	0.000	0.000	0.000	1	0	1	450	0	350	0	0.039	0.677	0.011
1,3 Butadiene	0.000	0.000	0.000	0	0	0	50	0	10	0	0.050	1.002	0.020
2,2,4-Trimethylpentane	0.000	0.000	0.000	0	0	0	0	0	0	0	3.052	43.277	1.203
Acetaldehyde	0.000	0.000	0.000	0	0	0	150	0	25	0	0.696	10.141	0.225
Ammonia	0.016	0.024	0.013	118	118	0	100	0	3	0	0.019	0.294	0.006
Butane	0.000	0.000	0.000	0	0	0	1000	0	800	0	0.373	5.806	0.061
Carbon monoxide	0.247	0.497	0.146	3581	3581	0	400	0	20	0	0.384	14.716	0.086
Carbonyl sulfide	0.000	0.000	0.000	0	0	0	10	0	1	0	0.011	0.287	0.002
Chlorodifluoromethane	0.000	0.000	0.000	0	0	0	100	0	10	0	0.014	0.245	0.005
Diethanol amine	0.000	0.000	0.000	9	0	9	6	0	0.46	0	0.048	0.797	0.000
Dimethyl sulfide	0.000	0.000	0.000	0	0	0	500	0	50	0	0.452	6.422	0.147
Ethane	0.000	0.000	0.000	0	0	0	3000	0	1000	0	0.165	1.839	0.026
Ethyl benzene	0.000	0.000	0.000	0	0	0	125	0	100	0	0.338	6.252	0.055
Ethylene	0.000	0.000	0.000	0	0	0	2700	0	1000	0	0.041	0.798	0.014
Formaldehyde	0.000	0.000	0.000	75	0	75	2	0	0.3	0	0.050	1.256	0.002
Furan	0.000	0.000	0.000	0	0	0	2300	0	230	0	5.009	36.136	2.544
Hydrogen chloride	0.000	0.000	0.000	29	0	29	20	0	1	0	0.074	2.399	0.003
Hydrogen Cyanide	0.000	0.000	0.000	0	0	0	3	0	0.3	0	0.103	3.194	0.052
Methane	1.368	2.213	0.916	7575	7575	0	5000	0	1000	0	1.167	5.133	0.181
Methyl mercaptan	0.000	0.000	0.000	0	0	0	10	0	0.005	0	1.358	22.123	0.200
Methyl tert-butyl ether	0.099	0.346	0.052	51	51	0	200	0	40	0	0.069	1.076	0.022
n-Hexane	0.000	0.000	0.000	0	0	0	75	0	50	0	0.555	8.272	0.086
n-Octane	0.000	0.000	0.000	0	0	0	375	0	75	0	0.305	4.270	0.046
Naphthalene	0.000	0.000	0.000	0	0	0	15	0	10	0	0.842	11.224	0.280

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Nickel carbonyl	0.000	0.000	0.000	0	0	0	0.16	0	0.09	0	0.009	0.172	0.002
Nitrous oxide***	0.243	0.918	0.192	7918	7918	0	NONE	N/A	NONE	N/A	0.110	0.806	0.013
Ozone**	0.065	0.110	0.040	79	79	0	NONE	N/A	NONE	N/A	0.065	0.849	0.031
Phenol	0.000	0.000	0.000	23	0	23	50	0	5	0	0.090	12.071	0.004
Phosgene	0.000	0.000	0.000	1	0	1	0.2	0	0.003	0	0.008	0.127	0.003
Propane	0.000	0.000	0.000	0	0	0	2500	0	1000	0	0.232	5.323	0.034

* Zero (0.000) values indicate all concentrations less than the minimum detection limit (<MDL)

** Included as an interfering compound

*** Included as an ambient quality assurance check compound