

FTIR Summary Report

TERRA AIR SERVICES
 2950 N. Loop West, Ste 1050
 Houston, Texas 77029
 Phone (713) 956-6250
 FAX (713) 956-2185

Customer: Tosco SFR **Monitoring Period** **Total Hours:** 720.00
Location: North Fenceline **From:** 11/1/97 00:00:01 **Online %:** 88.2
Address: 1380 San Pablo Avenue **To:** 11/30/97 23:59:59 **Offline %:** 11.8
 Rodeo, CA 94572-1299

Number of Valid Spectra Collected and Analyzed: 7466

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	0	0	0	450	0	350	0	0.041	0.343	0.021
1,3 Butadiene	0.000	0.000	0.000	1	0	1	50	0	10	0	0.054	0.609	0.032
2,2,4-Trimethylpentane	0.000	0.000	0.000	0	0	0	0	0	0	0	3.178	31.554	1.236
Acetaldehyde	0.000	0.000	0.000	0	0	0	150	0	25	0	0.776	5.682	0.379
Ammonia	0.019	0.027	0.013	139	139	0	100	0	3	0	0.021	0.163	0.012
Butane	0.000	0.000	0.000	0	0	0	1000	0	800	0	0.448	2.766	0.158
Carbon monoxide	0.301	0.541	0.201	3836	3836	0	400	0	20	0	0.482	10.396	0.190
Carbonyl sulfide	0.000	0.000	0.000	0	0	0	10	0	1	0	0.017	0.160	0.002
Chlorodifluoromethane	0.000	0.000	0.000	0	0	0	100	0	10	0	0.020	0.163	0.008
Diethanol amine	0.000	0.000	0.000	0	0	0	6	0	0.46	0	1.221	7.386	0.674
Dimethyl sulfide	0.000	0.000	0.000	0	0	0	500	0	50	0	0.488	3.945	0.289
Ethane	0.000	0.000	0.000	0	0	0	3000	0	1000	0	0.196	1.224	0.071
Ethyl benzene	0.000	0.000	0.000	1	0	1	125	0	100	0	0.408	3.242	0.150
Ethylene	0.000	0.000	0.000	0	0	0	2700	0	1000	0	0.045	0.356	0.026
Formaldehyde	0.000	0.000	0.000	0	0	0	2	0	0.3	0	0.058	0.594	0.005
Furan	0.000	0.000	0.000	0	0	0	2300	0	230	0	6.695	22.271	2.462
Hydrogen chloride	0.000	0.000	0.000	31	0	31	20	0	1	0	0.082	0.899	0.005
Hydrogen Cyanide	0.000	0.000	0.000	0	0	0	3	0	0.3	0	0.147	2.493	0.050
Methane	1.573	2.785	1.042	5517	5517	0	5000	0	1000	0	1.745	4.701	1.042
Methyl mercaptan	0.000	0.000	0.000	0	0	0	10	0	0.005	0	1.488	13.979	0.556
Methyl tert-butyl ether	0.122	0.261	0.060	15	15	0	200	0	40	0	0.113	1.006	0.038
n-Hexane	0.000	0.000	0.000	0	0	0	75	0	50	0	0.639	5.025	0.231
n-Octane	0.000	0.000	0.000	0	0	0	375	0	75	0	0.349	2.739	0.127
Naphthalene	0.000	0.000	0.000	0	0	0	15	0	10	0	0.869	6.007	0.338

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Nickel carbonyl	0.000	0.000	0.000	0	0	0	0.16	0	0.09	0	0.014	0.154	0.002
Nitrous oxide***	0.194	0.479	0.157	7431	7431	0	NONE	N/A	NONE	N/A	0.308	0.458	0.157
Ozone**	0.063	0.076	0.048	76	76	0	NONE	N/A	NONE	N/A	0.066	0.548	0.040
Phenol	0.000	0.000	0.000	4	0	4	50	0	5	0	0.104	8.244	0.011
Phosgene	0.000	0.000	0.000	0	0	0	0.2	0	0.003	0	0.009	0.084	0.005
Propane	0.000	0.000	0.000	0	0	0	2500	0	1000	0	0.283	2.323	0.097

* 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