

FTIR Summary Report

TERRA AIR SERVICES
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 Houston, Texas 77029
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Customer: Tosco SFR **Monitoring Period** **Total Hours:** 720.00
Location: South Fenceline **From:** 11/1/97 00:00:01 **Online %:** 87.4
Address: 1380 San Pablo Avenue **To:** 11/30/97 23:59:59 **Offline %:** 12.6
 Rodeo, CA 94572-1299

Number of Valid Spectra Collected and Analyzed: 7306

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	0.040	0.061	0.021
1,3 Butadiene	0.000	0.000	0.000	0	0	0	50	0	10	0	0.042	0.063	0.026
2,2,4-Trimethylpentane	0.000	0.000	0.000	0	0	0	0	0	0	0	3.256	39.668	1.473
Acetaldehyde	0.000	0.000	0.000	0	0	0	150	0	25	0	0.719	1.154	0.389
Ammonia	0.017	0.023	0.012	129	129	0	100	0	3	0	0.018	0.024	0.011
Butane	0.000	0.000	0.000	0	0	0	1000	0	800	0	0.540	8.945	0.270
Carbon monoxide	0.218	0.244	0.188	2	2	0	400	0	20	0	0.660	10.489	0.188
Carbonyl sulfide	0.000	0.000	0.000	0	0	0	10	0	1	0	0.030	0.213	0.010
Chlorodifluoromethane	0.000	0.000	0.000	0	0	0	100	0	10	0	0.015	0.024	0.008
Diethanol amine	0.000	0.000	0.000	0	0	0	6	0	0.46	0	0.882	1.571	0.381
Dimethyl sulfide	0.000	0.000	0.000	0	0	0	500	0	50	0	0.424	0.565	0.206
Ethane	0.000	0.000	0.000	0	0	0	3000	0	1000	0	0.233	2.951	0.119
Ethyl benzene	0.000	0.000	0.000	0	0	0	125	0	100	0	0.493	1.104	0.251
Ethylene	0.000	0.000	0.000	1	0	1	2700	0	1000	0	0.039	0.053	0.019
Formaldehyde	0.000	0.000	0.000	0	0	0	2	0	0.3	0	0.052	0.766	0.004
Furan	0.000	0.000	0.000	0	0	0	2300	0	230	0	6.090	16.049	2.685
Hydrogen chloride	0.000	0.000	0.000	20	0	20	20	0	1	0	0.076	1.042	0.006
Hydrogen Cyanide	0.000	0.000	0.000	0	0	0	3	0	0.3	0	0.116	0.439	0.049
Methane	1.533	1.817	1.167	6248	6248	0	5000	0	1000	0	1.743	2.601	1.167
Methyl mercaptan	0.000	0.000	0.000	0	0	0	10	0	0.005	0	1.830	13.153	0.910
Methyl tert-butyl ether	0.074	0.076	0.071	3	3	0	200	0	40	0	0.072	0.115	0.039
n-Hexane	0.000	0.000	0.000	0	0	0	75	0	50	0	0.781	11.615	0.391
n-Octane	0.000	0.000	0.000	0	0	0	375	0	75	0	0.426	6.901	0.214
Naphthalene	0.000	0.000	0.000	0	0	0	15	0	10	0	0.801	1.423	0.292

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Nickel carbonyl	0.000	0.000	0.000	0	0	0	0.16	0	0.09	0	0.024	0.198	0.008
Nitrous oxide***	0.294	0.517	0.143	7296	7296	0	NONE	N/A	NONE	N/A	0.535	0.703	0.143
Ozone**	0.064	0.086	0.046	59	59	0	NONE	N/A	NONE	N/A	0.058	0.084	0.028
Phenol	0.000	0.000	0.000	4	0	4	50	0	5	0	0.118	22.707	0.005
Phosgene	0.000	0.000	0.000	0	0	0	0.2	0	0.003	0	0.007	0.010	0.004
Propane	0.000	0.000	0.000	0	0	0	2500	0	1000	0	0.322	3.576	0.162

* 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