

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:** 09/01/1997 00:00:01 **Online %:** 93.1
Address: 1380 San Pablo Avenue **To:** 09/30/1997 23:59:59 **Offline %:** 6.9
 Rodeo, CA 94572-1299

Number of Valid Spectra Collected and Analyzed: 7782

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	0.057	0.235	0.024
1,3 Butadiene	0.000	0.000	0.000	0	0	0	50	0	10	0	0.089	0.340	0.031
2,2,4-Trimethylpentane	0.000	0.000	0.000	0	0	0	0	0	0	0	3.433	27.889	1.346
Acetaldehyde	0.000	0.000	0.000	3	0	3	150	0	25	0	1.016	3.696	0.501
Ammonia	0.022	0.027	0.018	22	22	0	100	0	3	0	0.031	0.111	0.014
Butane	0.000	0.000	0.000	0	0	0	1000	0	800	0	0.401	1.951	0.160
Carbon monoxide	0.237	0.491	0.056	5898	5898	0	400	0	20	0	2.736	32.917	0.041
Carbonyl sulfide	0.000	0.000	0.000	0	0	0	10	0	1	0	0.024	0.189	0.002
Chlorodifluoromethane	0.000	0.000	0.000	4	0	4	100	0	10	0	0.021	0.074	0.010
Diethanol amine	0.000	0.000	0.000	39	0	39	6	0	0.46	0	0.081	0.269	0.000
Dimethyl sulfide	0.000	0.000	0.000	16	0	16	500	0	50	0	0.745	2.576	0.344
Ethane	0.000	0.000	0.000	0	0	0	3000	0	1000	0	0.178	0.817	0.069
Ethyl benzene	0.000	0.000	0.000	1	0	1	125	0	100	0	0.378	1.836	0.144
Ethylene	0.000	0.000	0.000	0	0	0	2700	0	1000	0	0.067	0.235	0.031
Formaldehyde	0.000	0.000	0.000	59	0	59	2	0	0.3	0	0.054	0.358	0.002
Furan	0.000	0.000	0.000	0	0	0	2300	0	230	0	2.872	19.067	1.138
Hydrogen chloride	0.000	0.000	0.000	13	0	13	20	0	1	0	0.079	0.523	0.004
Hydrogen Cyanide	0.000	0.000	0.000	0	0	0	3	0	0.3	0	0.060	0.947	0.023
Methane	1.342	2.545	0.954	6109	6109	0	5000	0	1000	0	1.416	4.601	0.191
Methyl mercaptan	0.000	0.000	0.000	0	0	0	10	0	0.005	0	1.441	7.732	0.526
Methyl tert-butyl ether	0.000	0.000	0.000	0	0	0	200	0	40	0	0.105	0.373	0.051
n-Hexane	0.000	0.000	0.000	0	0	0	75	0	50	0	0.591	2.887	0.226
n-Octane	0.000	0.000	0.000	0	0	0	375	0	75	0	0.325	1.572	0.121
Naphthalene	0.000	0.000	0.000	0	0	0	15	0	10	0	1.181	4.864	0.238

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Nickel carbonyl	0.000	0.000	0.000	0	0	0	0.16	0	0.09	0	0.021	0.189	0.001
Nitrous oxide***	0.186	0.559	0.014	6894	6894	0	NONE	N/A	NONE	N/A	0.171	1.591	0.002
Ozone**	0.107	0.179	0.050	125	125	0	NONE	N/A	NONE	N/A	0.105	0.317	0.045
Phenol	0.000	0.000	0.000	28	0	28	50	0	5	0	1.489	10352.820	0.009
Phosgene	0.000	0.000	0.000	0	0	0	0.2	0	0.003	0	0.014	0.047	0.005
Propane	0.000	0.000	0.000	0	0	0	2500	0	1000	0	0.248	1.340	0.090

* 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