

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062831.D
 Acq On : 3 Jun 2019 16:20
 Operator : FY/SY
 Sample : K3097-12
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0432-HR-12(HACKENSACK)

Quant Time: Jun 04 08:53:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	242	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.86	114	190	50.00	ug/l	0.06
63) Chlorobenzene-d5	9.98	117	64	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.62	152	150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	914	546.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	1092.36%	
35) Dibromofluoromethane	4.34	113	289	201.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	402.58%	
50) Toluene-d8	7.67	98	138	38.01	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	76.02%	
62) 4-Bromofluorobenzene	11.63	95	62	47.47	ug/l	0.12
Spiked Amount				50.000		
			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	124	44.841	ug/l #	65
3) Chloromethane	1.12	50	821	327.876	ug/l	89
4) Vinyl Chloride	1.20	62	364	146.285	ug/l #	1
5) Bromomethane	1.42	94	243	171.238	ug/l	95
6) Chloroethane	1.51	64	364	391.251	ug/l	94
7) Trichlorofluoromethane	1.46	101	165	46.840	ug/l	98
8) Diethyl Ether	1.58	74	127	183.248	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.89	101	90	40.638	ug/l #	19
10) Methyl Iodide	1.99	142	139	31.302	ug/l #	1
11) Tert butyl alcohol	2.69	59	296	2919.831	ug/l #	70
12) 1,1-Dichloroethene	1.88	96	283	140.724	ug/l #	25
13) Acrolein	2.11	56	746	19035.116	ug/l #	50
14) Allyl chloride	2.18	41	1684	1079.384	ug/l #	56
15) Acrylonitrile	3.09	53	379	994.940	ug/l #	65
16) Acetone	2.34	43	363	947.746	ug/l #	69
17) Carbon Disulfide	1.91	76	160	27.221	ug/l #	1
18) Methyl Acetate	2.50	43	420	627.508	ug/l	91
19) Methyl tert-butyl Ether	2.60	73	774	212.436	ug/l #	4
20) Methylene Chloride	2.37	84	119	62.809	ug/l #	20
21) trans-1,2-Dichloroethene	2.41	96	334	165.645	ug/l #	24
22) Diisopropyl ether	2.92	45	569	128.369	ug/l #	72
23) Vinyl Acetate	3.36	43	379	124.895	ug/l #	51
24) 1,1-Dichloroethane	3.01	63	226	68.288	ug/l #	38
25) 2-Butanone	4.50	43	1389	1557.257	ug/l #	84
26) 2,2-Dichloropropane	3.79	77	292	155.390	ug/l #	50
27) cis-1,2-Dichloroethene	3.68	96	521	153.715	ug/l	5
28) Bromochloromethane	3.89	49	61	33.885	ug/l #	3
29) Tetrahydrofuran	4.28	42	1379	4042.245	ug/l #	57
30) Chloroform	4.07	83	147	31.516	ug/l	88
31) Cyclohexane	3.90	56	306	68.294	ug/l #	23
32) 1,1,1-Trichloroethane	4.15	97	287	105.682	ug/l	88
36) 1,1-Dichloropropene	4.60	75	234	133.781	ug/l	80
37) Ethyl Acetate	4.39	43	206	308.094	ug/l #	84
38) Carbon Tetrachloride	4.23	117	169	142.963	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.71	83	109	50.070	ug/l #	18
40) Benzene	4.88	78	1084	212.942	ug/l	94
41) Methacrylonitrile	4.97	41	387	1041.150	ug/l	97
42) 1,2-Dichloroethane	5.15	62	339	350.137	ug/l	69
43) Isopropyl Acetate	7.18	43	856	969.133	ug/l #	38
44) Trichloroethene	5.72	130	288	200.462	ug/l	78
45) 1,2-Dichloropropane	6.51	63	62	48.534	ug/l #	44
46) Dibromomethane	6.35	93	178	238.658	ug/l #	10
47) Bromodichloromethane	6.60	83	366	240.956	ug/l #	56
48) Methyl methacrylate	6.96	41	697	1531.184	ug/l #	43
49) 1,4-Dioxane	6.96	88	129	21499.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	1082	1715.832	ug/l #	56
52) Toluene	7.84	92	141	51.425	ug/l	84
53) t-1,3-Dichloropropene	8.38	75	431	342.424	ug/l	100
54) cis-1,3-Dichloropropene	7.58	75	246	135.020	ug/l #	13
55) 1,1,2-Trichloroethane	8.70	97	198	241.722	ug/l #	51
56) Ethyl methacrylate	8.86	69	177	201.389	ug/l #	1
57) 1,3-Dichloropropane	9.15	76	447	334.171	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.54	63	127	413.459	ug/l #	1
59) 2-Hexanone	9.74	43	1559	3468.531	ug/l	91
60) Dibromochloromethane	9.04	129	128	126.217	ug/l	73
61) 1,2-Dibromoethane	9.25	107	102	119.900	ug/l #	1
64) Tetrachloroethene	8.34	164	140	284.668	ug/l #	1
65) Chlorobenzene	9.95	112	83	67.155	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	148	300.677	ug/l #	12
67) Ethyl Benzene	10.10	91	342	161.251	ug/l	100
68) m/p-Xylenes	10.23	106	207	255.051	ug/l #	34
69) o-Xylene	10.89	106	208	253.128	ug/l	45
70) Styrene	10.95	104	61	50.365	ug/l #	1
71) Bromoform	10.88	173	85	359.974	ug/l #	28
73) Isopropylbenzene	11.21	105	532	50.830	ug/l #	44
74) N-amyl acetate	11.42	43	1203	407.813	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.78	83	166	74.269	ug/l #	65
76) 1,2,3-Trichloropropane	11.97	75	656	442.775	ug/l	89
77) Bromobenzene	11.56	156	191	72.630	ug/l	85
78) n-propylbenzene	11.83	91	564	44.629	ug/l	81
79) 2-Chlorotoluene	11.83	91	644	89.060	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	101	11.800	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	334	532.484	ug/l #	66
82) 4-Chlorotoluene	12.13	91	362	50.941	ug/l	80
83) tert-Butylbenzene	12.23	119	317	37.377	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.26	105	65	8.010	ug/l #	24
85) sec-Butylbenzene	12.39	105	573	51.272	ug/l #	1
86) p-Isopropyltoluene	12.54	119	210	22.575	ug/l #	36
87) 1,3-Dichlorobenzene	12.53	146	72	15.524	ug/l #	26
88) 1,4-Dichlorobenzene	12.67	146	109	25.183	ug/l #	23
89) n-Butylbenzene	12.91	91	145	15.496	ug/l #	24
90) Hexachloroethane	13.01	117	215	94.766	ug/l	84
91) 1,2-Dichlorobenzene	13.06	146	65	15.945	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	758	3112.818	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	194	69.312	ug/l #	14
94) Hexachlorobutadiene	14.23	225	101	52.161	ug/l #	19
95) Naphthalene	14.55	128	70	15.265	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	162	63.406	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

