

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062830.D
 Acq On : 3 Jun 2019 15:52
 Operator : FY/SY
 Sample : K3097-11
 Misc : 5.11g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0431-HR-11(HACKENSACK)

Quant Time: Jun 04 08:52:55 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	5.09	168	65	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.98	114	177	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.25	117	164	50.00	ug/l	0.32
72) 1,4-Dichlorobenzene-d4	12.65	152	376	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	511	1136.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2273.74%	
35) Dibromofluoromethane	4.43	113	102	76.26	ug/l	0.10
Spiked Amount	50.000		Recovery	=	152.52%	
50) Toluene-d8	8.12	98	256	75.69	ug/l	0.38
Spiked Amount	50.000		Recovery	=	151.38%	
62) 4-Bromofluorobenzene	11.86	95	547	449.60	ug/l	0.35
Spiked Amount	50.000		Recovery	=	899.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	198	289.877	ug/l # 1
3) Chloromethane	1.09	50	1327	1973.058	ug/l 98
4) Vinyl Chloride	1.19	62	150	224.435	ug/l # 42
5) Bromomethane	1.35	94	280	734.607	ug/l 97
6) Chloroethane	1.41	64	289	1156.524	ug/l 94
7) Trichlorofluoromethane	1.58	101	215	227.235	ug/l 97
8) Diethyl Ether	1.75	74	124	666.130	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	1.93	101	137	230.309	ug/l # 38
10) Methyl Iodide	2.05	142	146	122.409	ug/l # 36
11) Tert butyl alcohol	2.71	59	141	5178.299	ug/l # 1
12) 1,1-Dichloroethene	1.92	96	578	1070.067	ug/l # 1
13) Acrolein	2.16	56	180	17098.947	ug/l 98
14) Allyl chloride	2.20	41	648	1546.362	ug/l # 30
15) Acrylonitrile	3.12	53	138	1348.773	ug/l # 1
16) Acetone	2.43	43	2084	20257.468	ug/l 98
17) Carbon Disulfide	1.92	76	251	158.989	ug/l # 68
18) Methyl Acetate	2.55	43	561	3120.579	ug/l # 47
19) Methyl tert-butyl Ether	2.55	73	373	381.152	ug/l # 1
20) Methylene Chloride	2.35	84	549	1130.195	ug/l # 12
21) trans-1,2-Dichloroethene	2.47	96	179	330.511	ug/l # 1
22) Diisopropyl ether	2.97	45	275	230.985	ug/l # 42
23) Vinyl Acetate	3.35	43	957	1174.144	ug/l # 73
24) 1,1-Dichloroethane	3.04	63	257	289.115	ug/l # 1
25) 2-Butanone	4.70	43	525	2191.388	ug/l 91
26) 2,2-Dichloropropane	3.85	77	1148	2274.486	ug/l 78
27) cis-1,2-Dichloroethene	3.70	96	317	348.208	ug/l 19
28) Bromochloromethane	3.92	49	77	159.247	ug/l # 52
29) Tetrahydrofuran	4.29	42	620	6766.313	ug/l # 29
30) Chloroform	4.06	83	82	65.453	ug/l # 15
31) Cyclohexane	3.92	56	245	203.578	ug/l # 22
32) 1,1,1-Trichloroethane	4.36	97	270	370.156	ug/l # 1
36) 1,1-Dichloropropene	4.63	75	86	52.779	ug/l # 5
37) Ethyl Acetate	4.45	43	751	1205.690	ug/l # 46
38) Carbon Tetrachloride	4.30	117	350	317.823	ug/l # 11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.82	83	142	70.020	ug/l	89
40) Benzene	4.99	78	529	111.550	ug/l #	1
41) Methacrylonitrile	5.13	41	1781	5143.356	ug/l #	48
42) 1,2-Dichloroethane	5.30	62	63	69.849	ug/l	69
43) Isopropyl Acetate	7.37	43	700	850.722	ug/l #	38
44) Trichloroethene	5.88	130	109	81.442	ug/l	65
45) 1,2-Dichloropropane	6.62	63	435	365.529	ug/l #	76
46) Dibromomethane	6.48	93	78	112.261	ug/l #	33
47) Bromodichloromethane	6.79	83	511	361.126	ug/l #	72
48) Methyl methacrylate	7.13	41	382	900.821	ug/l #	49
49) 1,4-Dioxane	7.06	88	205	36675.531	ug/l #	42
51) 4-Methyl-2-Pentanone	8.69	43	1143	1945.692	ug/l #	32
52) Toluene	8.07	92	458	179.309	ug/l #	34
53) t-1,3-Dichloropropene	8.75	75	820	699.329	ug/l	92
54) cis-1,3-Dichloropropene	7.73	75	515	303.424	ug/l #	81
55) 1,1,2-Trichloroethane	8.90	97	135	176.915	ug/l #	35
56) Ethyl methacrylate	9.05	69	358	437.246	ug/l #	1
57) 1,3-Dichloropropane	9.31	76	245	196.611	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.72	63	307	1072.872	ug/l #	8
59) 2-Hexanone	9.95	43	1072	2560.204	ug/l	69
60) Dibromochloromethane	9.00	129	355	375.766	ug/l	88
61) 1,2-Dibromoethane	9.50	107	80	100.946	ug/l	87
64) Tetrachloroethene	8.31	164	129	102.361	ug/l #	24
65) Chlorobenzene	9.95	112	60	18.945	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	64	50.740	ug/l #	1
67) Ethyl Benzene	10.05	91	145	26.680	ug/l #	42
68) m/p-Xylenes	10.26	106	79	37.986	ug/l #	65
69) o-Xylene	10.82	106	63	29.919	ug/l	56
70) Styrene	10.99	104	155	49.942	ug/l	99
71) Bromoform	10.91	173	114	188.405	ug/l #	28
73) Isopropylbenzene	11.24	105	123	4.688	ug/l #	44
74) N-amyl acetate	11.45	43	573	77.491	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.78	83	61	10.888	ug/l #	1
76) 1,2,3-Trichloropropane	11.89	75	425	114.438	ug/l #	21
77) Bromobenzene	11.61	156	121	18.356	ug/l	64
78) n-propylbenzene	11.68	91	342	10.796	ug/l #	49
79) 2-Chlorotoluene	11.79	91	138	7.613	ug/l #	27
80) 1,3,5-Trimethylbenzene	11.98	105	96	4.474	ug/l	62
81) trans-1,4-Dichloro-2-buten	11.97	75	221	140.558	ug/l #	56
82) 4-Chlorotoluene	11.97	91	403	22.624	ug/l	90
83) tert-Butylbenzene	12.20	119	393	18.486	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.42	105	135	6.636	ug/l	67
85) sec-Butylbenzene	12.36	105	72	2.570	ug/l #	55
86) p-Isopropyltoluene	12.52	119	374	16.040	ug/l #	54
87) 1,3-Dichlorobenzene	12.55	146	63	5.419	ug/l #	4
88) 1,4-Dichlorobenzene	12.62	146	215	19.816	ug/l #	40
89) n-Butylbenzene	12.92	91	247	10.531	ug/l #	24
90) Hexachloroethane	13.06	117	200	35.168	ug/l #	10
91) 1,2-Dichlorobenzene	13.01	146	160	15.658	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.71	75	93	152.360	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	64	9.122	ug/l #	1
94) Hexachlorobutadiene	14.22	225	143	29.462	ug/l #	19
95) Naphthalene	14.49	128	134	11.658	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	165	25.763	ug/l #	11

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

