

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062813.D
 Acq On : 31 May 2019 17:14
 Operator : FY/SY
 Sample : K3097-02
 Misc : 5.02g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0422-HR-2(HACKENSACK)

Quant Time: Jun 01 00:56:16 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	5.07	168	82	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	201	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.03	117	67	50.00	ug/l	0.09
72) 1,4-Dichlorobenzene-d4	12.64	152	61	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	173	305.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	610.20%	
35) Dibromofluoromethane	4.38	113	107	70.45	ug/l	0.04
Spiked Amount	50.000		Recovery	=	140.90%	
50) Toluene-d8	7.74	98	138	35.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.86%	
62) 4-Bromofluorobenzene	11.60	95	748	541.40	ug/l	0.09
Spiked Amount	50.000		Recovery	=	1082.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.03	85	296	344.382	ug/l #	39
3) Chloromethane	1.14	50	565	665.912	ug/l #	41
4) Vinyl Chloride	1.19	62	132	156.557	ug/l #	42
5) Bromomethane	1.49	94	760	1580.556	ug/l	92
6) Chloroethane	1.48	64	382	1211.768	ug/l #	5
7) Trichlorofluoromethane	1.60	101	101	84.617	ug/l #	35
8) Diethyl Ether	1.76	74	158	672.813	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.97	101	136	181.229	ug/l #	11
10) Methyl Iodide	2.04	142	176	116.970	ug/l #	83
11) Tert butyl alcohol	2.70	59	218	6346.350	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	603	884.912	ug/l #	37
13) Acrolein	2.12	56	285	21462.727	ug/l #	32
14) Allyl chloride	2.21	41	344	650.720	ug/l #	33
15) Acrylonitrile	3.10	53	289	2239.015	ug/l #	63
16) Acetone	2.50	43	1454	11203.439	ug/l	94
17) Carbon Disulfide	1.92	76	297	149.124	ug/l #	1
18) Methyl Acetate	2.50	43	1454	6411.154	ug/l	93
19) Methyl tert-butyl Ether	2.58	73	707	572.675	ug/l	94
20) Methylene Chloride	2.36	84	474	772.495	ug/l #	55
21) trans-1,2-Dichloroethene	2.45	96	690	1009.907	ug/l #	21
22) Diisopropyl ether	2.95	45	1388	924.145	ug/l #	61
23) Vinyl Acetate	3.37	43	1859	1807.958	ug/l #	1
24) 1,1-Dichloroethane	3.00	63	78	69.556	ug/l #	1
25) 2-Butanone	4.56	43	524	1733.767	ug/l #	48
26) 2,2-Dichloropropane	3.75	77	1260	1978.843	ug/l	87
27) cis-1,2-Dichloroethene	3.66	96	344	299.528	ug/l	5
28) Bromochloromethane	3.91	49	331	542.635	ug/l #	3
29) Tetrahydrofuran	4.30	42	412	3564.159	ug/l #	11
30) Chloroform	4.21	83	195	123.381	ug/l	95
31) Cyclohexane	3.90	56	349	229.874	ug/l #	65
32) 1,1,1-Trichloroethane	4.30	97	142	154.315	ug/l #	22
36) 1,1-Dichloropropene	4.55	75	566	305.881	ug/l #	69
37) Ethyl Acetate	4.39	43	1162	1642.779	ug/l #	21
38) Carbon Tetrachloride	4.26	117	238	190.314	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.74	83	185	80.331	ug/l #	24
40) Benzene	4.91	78	332	61.649	ug/l #	52
41) Methacrylonitrile	4.97	41	943	2398.124	ug/l #	58
42) 1,2-Dichloroethane	5.25	62	426	415.916	ug/l	69
43) Isopropyl Acetate	7.21	43	1504	1609.589	ug/l #	94
44) Trichloroethene	5.77	130	186	122.380	ug/l	59
45) 1,2-Dichloropropane	6.45	63	345	255.287	ug/l #	1
46) Dibromomethane	6.36	93	157	198.981	ug/l #	30
47) Bromodichloromethane	6.64	83	206	128.198	ug/l #	7
48) Methyl methacrylate	6.99	41	1085	2253.108	ug/l #	50
49) 1,4-Dioxane	6.91	88	87	13706.261	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	428	641.577	ug/l	94
52) Toluene	7.88	92	98	33.786	ug/l #	1
53) t-1,3-Dichloropropene	8.52	75	91	68.342	ug/l #	1
54) cis-1,3-Dichloropropene	7.51	75	221	114.660	ug/l #	1
55) 1,1,2-Trichloroethane	8.76	97	247	285.039	ug/l #	36
56) Ethyl methacrylate	8.93	69	556	597.991	ug/l #	27
57) 1,3-Dichloropropane	9.05	76	529	373.830	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.56	63	144	443.148	ug/l #	51
59) 2-Hexanone	9.75	43	764	1606.757	ug/l	66
60) Dibromochloromethane	8.98	129	216	201.336	ug/l #	37
61) 1,2-Dibromoethane	9.22	107	140	155.563	ug/l	87
64) Tetrachloroethene	8.31	164	66	128.192	ug/l #	18
65) Chlorobenzene	9.96	112	219	169.259	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	65	126.141	ug/l #	6
67) Ethyl Benzene	10.05	91	102	45.939	ug/l #	42
68) m/p-Xylenes	10.27	106	92	108.280	ug/l #	1
69) o-Xylene	10.77	106	278	323.167	ug/l	46
70) Styrene	10.94	104	117	92.276	ug/l #	49
71) Bromoform	10.88	173	84	339.810	ug/l #	37
73) Isopropylbenzene	11.23	105	157	36.886	ug/l #	16
74) N-amyl acetate	11.47	43	642	535.171	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.76	83	61	67.111	ug/l #	25
76) 1,2,3-Trichloropropane	11.82	75	464	770.120	ug/l	89
77) Bromobenzene	11.68	156	63	58.909	ug/l #	46
78) n-propylbenzene	11.76	91	233	45.338	ug/l	87
79) 2-Chlorotoluene	11.80	91	277	94.197	ug/l	84
80) 1,3,5-Trimethylbenzene	11.99	105	290	83.314	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.97	75	327	1281.945	ug/l #	32
82) 4-Chlorotoluene	12.00	91	127	43.946	ug/l #	37
83) tert-Butylbenzene	12.21	119	221	64.076	ug/l #	75
84) 1,2,4-Trimethylbenzene	12.29	105	216	65.450	ug/l #	1
85) sec-Butylbenzene	12.37	105	313	68.871	ug/l #	55
86) p-Isopropyltoluene	12.55	119	73	19.298	ug/l #	10
87) 1,3-Dichlorobenzene	12.53	146	104	55.141	ug/l #	73
88) 1,4-Dichlorobenzene	12.65	146	69	39.201	ug/l #	1
89) n-Butylbenzene	12.87	91	312	81.992	ug/l #	41
90) Hexachloroethane	13.03	117	71	76.954	ug/l	73
91) 1,2-Dichlorobenzene	13.03	146	158	95.309	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	413	4170.576	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	63	55.349	ug/l #	87
94) Hexachlorobutadiene	14.25	225	145	184.141	ug/l #	19
95) Naphthalene	14.49	128	220	117.977	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.63	180	344	331.083	ug/l #	11

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

