

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062716.D
 Acq On : 22 May 2019 20:05
 Operator : FY/SY
 Sample : K3002-08RE
 Misc : 5.07g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 22-C6-20190413RE

Quant Time: May 23 01:24:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	561	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	502	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	334	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.59	152	163	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	412	103.93	ug/l	-0.03
Spiked Amount			Recovery	=	207.86%	
35) Dibromofluoromethane	4.29	113	108	28.12	ug/l	-0.03
Spiked Amount			Recovery	=	56.24%	
50) Toluene-d8	7.70	98	96	10.47	ug/l	-0.02
Spiked Amount			Recovery	=	20.94%	
62) 4-Bromofluorobenzene	11.50	95	228	65.55	ug/l	0.00
Spiked Amount			Recovery	=	131.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	214	28.031	ug/l #	41
3) Chloromethane	1.15	50	885	125.896	ug/l #	55
4) Vinyl Chloride	1.18	62	474	73.254	ug/l #	41
5) Bromomethane	1.37	94	288	81.359	ug/l	90
6) Chloroethane	1.46	64	1406	591.636	ug/l	90
7) Trichlorofluoromethane	1.54	101	296	34.069	ug/l #	21
8) Diethyl Ether	1.74	74	190	110.388	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.89	101	86	15.545	ug/l #	23
10) Methyl Iodide	1.98	142	264	24.292	ug/l #	1
11) Tert butyl alcohol	2.68	59	377	1440.435	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	664	131.756	ug/l #	20
13) Acrolein	2.16	56	688	2518.253	ug/l	91
14) Allyl chloride	2.23	41	1654	362.629	ug/l #	44
15) Acrylonitrile	3.08	53	152	205.883	ug/l #	67
16) Acetone	2.36	43	987	959.680	ug/l #	47
17) Carbon Disulfide	1.91	76	208	13.925	ug/l #	1
18) Methyl Acetate	2.45	43	1055	652.778	ug/l #	23
19) Methyl tert-butyl Ether	2.60	73	1181	131.090	ug/l #	60
20) Methylene Chloride	2.32	84	344	66.730	ug/l #	57
21) trans-1,2-Dichloroethene	2.43	96	468	95.010	ug/l #	10
22) Diisopropyl ether	2.95	45	643	57.158	ug/l #	74
23) Vinyl Acetate	3.34	43	993	130.854	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	305	36.958	ug/l #	11
25) 2-Butanone	4.52	43	1719	782.318	ug/l #	2
26) 2,2-Dichloropropane	3.80	77	1162	246.090	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	184	22.709	ug/l	65
28) Bromochloromethane	3.77	49	155	33.488	ug/l	88
29) Tetrahydrofuran	4.26	42	852	958.189	ug/l #	30
30) Chloroform	4.06	83	245	21.382	ug/l #	16
31) Cyclohexane	3.86	56	768	69.309	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	422	55.457	ug/l #	74
36) 1,1-Dichloropropene	4.49	75	527	102.451	ug/l #	40
37) Ethyl Acetate	4.27	43	827	393.756	ug/l #	43
38) Carbon Tetrachloride	4.16	117	115	29.726	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	130	21.003	ug/l #	1
40) Benzene	4.83	78	663	47.311	ug/l #	1
41) Methacrylonitrile	4.91	41	1661	1508.464	ug/l #	22
42) 1,2-Dichloroethane	5.17	62	548	196.098	ug/l #	71
43) Isopropyl Acetate	7.12	43	1304	479.236	ug/l #	71
44) Trichloroethene	5.69	130	62	15.742	ug/l #	1
45) 1,2-Dichloropropane	6.41	63	200	56.537	ug/l #	42
46) Dibromomethane	6.25	93	96	46.957	ug/l #	21
47) Bromodichloromethane	6.57	83	452	106.497	ug/l #	25
48) Methyl methacrylate	6.88	41	564	396.564	ug/l #	47
49) 1,4-Dioxane	6.85	88	63	3458.562	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	1753	942.521	ug/l #	61
52) Toluene	7.77	92	78	10.613	ug/l #	1
53) t-1,3-Dichloropropene	8.45	75	501	144.285	ug/l #	100
54) cis-1,3-Dichloropropene	7.46	75	276	56.783	ug/l #	1
55) 1,1,2-Trichloroethane	8.55	97	232	106.616	ug/l #	52
56) Ethyl methacrylate	8.74	69	344	132.692	ug/l #	31
57) 1,3-Dichloropropane	8.97	76	335	90.383	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.38	63	230	272.560	ug/l #	61
59) 2-Hexanone	9.48	43	716	617.932	ug/l #	91
60) Dibromochloromethane	8.80	129	87	30.676	ug/l #	94
61) 1,2-Dibromoethane	9.11	107	182	78.744	ug/l #	3
64) Tetrachloroethene	8.27	164	241	91.080	ug/l #	30
65) Chlorobenzene	9.92	112	98	14.939	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.08	131	62	23.543	ug/l #	1
67) Ethyl Benzene	10.03	91	192	16.848	ug/l #	57
68) m/p-Xylenes	10.33	106	364	84.983	ug/l #	21
69) o-Xylene	10.96	106	171	38.760	ug/l #	37
70) Styrene	10.91	104	80	11.930	ug/l #	33
71) Bromoform	10.84	173	160	121.307	ug/l #	27
73) Isopropylbenzene	11.17	105	334	28.590	ug/l #	45
74) N-amyl acetate	11.47	43	647	237.951	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.76	83	144	60.315	ug/l #	33
76) 1,2,3-Trichloropropane	11.93	75	349	222.474	ug/l #	81
77) Bromobenzene	11.60	156	93	32.026	ug/l #	1
78) n-propylbenzene	11.67	91	372	26.906	ug/l #	1
79) 2-Chlorotoluene	11.80	91	62	7.957	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.99	105	264	28.182	ug/l #	94
81) trans-1,4-Dichloro-2-buten	11.84	75	332	476.118	ug/l #	91
82) 4-Chlorotoluene	11.97	91	325	42.297	ug/l #	75
83) tert-Butylbenzene	12.19	119	176	18.519	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.26	105	167	18.419	ug/l #	76
85) sec-Butylbenzene	12.38	105	105	8.232	ug/l #	1
86) p-Isopropyltoluene	12.54	119	222	20.654	ug/l #	49
87) 1,3-Dichlorobenzene	12.51	146	132	25.125	ug/l #	23
88) 1,4-Dichlorobenzene	12.60	146	64	12.981	ug/l #	24
89) n-Butylbenzene	12.92	91	201	18.966	ug/l #	63
90) Hexachloroethane	12.82	117	143	55.459	ug/l #	69
91) 1,2-Dichlorobenzene	13.05	146	70	14.947	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.68	75	189	663.585	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	208	62.049	ug/l #	17
94) Hexachlorobutadiene	14.26	225	63	26.930	ug/l #	16
95) Naphthalene	14.56	128	79	12.972	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.67	180	60	18.896	ug/l #	1

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

