

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062927.D
 Acq On : 12 Jun 2019 15:03
 Operator : FY/SY
 Sample : K3283-01
 Misc : 6.55g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

Quant Time: Jun 13 08:30:32 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	5.06	168	2237	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1095	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.86	117	66	50.00	ug/l	-0.08
72) 1,4-Dichlorobenzene-d4	12.65	152	115	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	1347	87.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	174.16%	
35) Dibromofluoromethane	4.28	113	528	63.81	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	127.62%	
50) Toluene-d8	7.59	98	143	6.83	ug/l	-0.14
Spiked Amount	50.000		Recovery	=	13.66%	
62) 4-Bromofluorobenzene	11.46	95	179	23.78	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	47.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.90	85	414	13.185	ug/l	98
3) Chloromethane	1.28	50	310	13.393	ug/l	93
4) Vinyl Chloride	1.21	62	164	7.130	ug/l #	1
5) Bromomethane	1.48	94	393	29.960	ug/l	92
6) Chloroethane	1.35	64	376	43.721	ug/l	90
7) Trichlorofluoromethane	1.60	101	202	6.203	ug/l #	11
8) Diethyl Ether	1.70	74	156	24.351	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.91	101	78	3.810	ug/l #	1
10) Methyl Iodide	2.01	142	156	3.800	ug/l #	36
11) Tert butyl alcohol	2.71	59	160	170.740	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	1321	71.061	ug/l #	1
13) Acrolein	2.06	56	447	1225.971	ug/l	93
14) Allyl chloride	2.22	41	621	43.060	ug/l #	49
15) Acrylonitrile	3.13	53	633	179.767	ug/l #	48
16) Acetone	2.39	43	1360	384.126	ug/l #	85
17) Carbon Disulfide	1.94	76	212	3.902	ug/l #	1
18) Methyl Acetate	2.46	43	1131	182.803	ug/l #	84
19) Methyl tert-butyl Ether	2.57	73	619	18.379	ug/l #	1
20) Methylene Chloride	2.41	84	151	5.882	ug/l #	63
21) trans-1,2-Dichloroethene	2.42	96	752	40.346	ug/l #	26
22) Diisopropyl ether	2.93	45	754	18.402	ug/l #	79
23) Vinyl Acetate	3.39	43	1027	36.612	ug/l #	83
24) 1,1-Dichloroethane	3.03	63	104	3.400	ug/l #	1
25) 2-Butanone	4.54	43	347	42.086	ug/l #	48
26) 2,2-Dichloropropane	3.78	77	807	46.458	ug/l #	50
27) cis-1,2-Dichloroethene	3.67	96	293	9.352	ug/l	35
28) Bromochloromethane	3.93	49	296	17.788	ug/l #	1
29) Tetrahydrofuran	4.48	42	565	179.166	ug/l	94
30) Chloroform	4.08	83	270	6.262	ug/l #	74
31) Cyclohexane	3.85	56	273	6.591	ug/l #	1
32) 1,1,1-Trichloroethane	4.31	97	64	2.549	ug/l #	1
36) 1,1-Dichloropropene	4.60	75	672	66.663	ug/l	95
37) Ethyl Acetate	4.30	43	583	151.295	ug/l #	56
38) Carbon Tetrachloride	4.18	117	210	30.824	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	69	5.500	ug/l #	18
40) Benzene	4.82	78	451	15.373	ug/l #	52
41) Methacrylonitrile	4.91	41	1039	485.017	ug/l #	42
42) 1,2-Dichloroethane	5.27	62	441	79.035	ug/l	69
43) Isopropyl Acetate	7.12	43	761	149.497	ug/l #	38
44) Trichloroethene	5.71	130	78	9.421	ug/l	3
45) 1,2-Dichloropropane	6.40	63	351	47.676	ug/l	95
46) Dibromomethane	6.25	93	269	62.582	ug/l #	2
47) Bromodichloromethane	6.50	83	100	11.423	ug/l #	32
48) Methyl methacrylate	6.84	41	1134	432.262	ug/l #	9
49) 1,4-Dioxane	6.87	88	172	4974.050	ug/l #	25
51) 4-Methyl-2-Pentanone	8.38	43	1305	359.085	ug/l	91
52) Toluene	7.73	92	66	4.177	ug/l	100
53) t-1,3-Dichloropropene	8.38	75	1258	173.423	ug/l #	83
54) cis-1,3-Dichloropropene	7.46	75	400	38.095	ug/l #	1
55) 1,1,2-Trichloroethane	8.58	97	150	31.775	ug/l #	61
56) Ethyl methacrylate	8.71	69	228	45.013	ug/l #	1
57) 1,3-Dichloropropane	9.04	76	389	50.460	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	655	370.007	ug/l	92
59) 2-Hexanone	9.61	43	1904	735.031	ug/l	78
60) Dibromochloromethane	8.71	129	93	15.912	ug/l	79
61) 1,2-Dibromoethane	9.04	107	338	68.941	ug/l	82
64) Tetrachloroethene	8.32	164	64	126.191	ug/l #	1
65) Chlorobenzene	9.94	112	125	98.073	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.10	131	75	147.753	ug/l #	57
67) Ethyl Benzene	10.04	91	153	69.952	ug/l #	42
68) m/p-Xylenes	10.23	106	273	326.179	ug/l #	1
69) o-Xylene	10.94	106	114	134.530	ug/l	56
70) Styrene	10.96	104	323	258.605	ug/l #	34
71) Bromoform	10.86	173	142	583.145	ug/l #	28
73) Isopropylbenzene	11.28	105	144	17.946	ug/l #	1
74) N-amyl acetate	11.48	43	833	368.328	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	11.76	83	125	72.946	ug/l #	37
76) 1,2,3-Trichloropropane	11.95	75	308	271.159	ug/l	83
77) Bromobenzene	11.64	156	159	78.863	ug/l #	32
78) n-propylbenzene	11.70	91	174	17.959	ug/l #	49
79) 2-Chlorotoluene	11.85	91	506	91.273	ug/l	72
80) 1,3,5-Trimethylbenzene	11.84	105	374	56.993	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	308	640.478	ug/l #	79
82) 4-Chlorotoluene	11.99	91	533	97.831	ug/l	81
83) tert-Butylbenzene	12.19	119	287	44.139	ug/l #	21
84) 1,2,4-Trimethylbenzene	12.40	105	379	60.915	ug/l	82
85) sec-Butylbenzene	12.40	105	379	44.235	ug/l #	32
86) p-Isopropyltoluene	12.55	119	198	27.764	ug/l #	32
87) 1,3-Dichlorobenzene	12.53	146	394	110.808	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	272	81.968	ug/l #	23
89) n-Butylbenzene	12.87	91	393	54.782	ug/l #	24
90) Hexachloroethane	12.83	117	134	77.039	ug/l	88
91) 1,2-Dichlorobenzene	12.98	146	196	62.714	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	190	1017.728	ug/l #	34

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.14	180	377	175.687	ug/l #	10
94) Hexachlorobutadiene	14.26	225	77	51.869	ug/l #	19
95) Naphthalene	14.51	128	111	31.574	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.62	180	306	156.218	ug/l #	11

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

