

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062660.D
 Acq On : 20 May 2019 15:01
 Operator : FY/SY
 Sample : K2894-02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-04-9-10

Quant Time: May 20 15:33:05 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	5.07	168	1018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	76	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.83	117	88	50.00	ug/l	-0.09
72) 1,4-Dichlorobenzene-d4	12.62	152	143	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	1387	192.81	ug/l	0.02
Spiked Amount			Recovery	=	385.62%	
35) Dibromofluoromethane	4.29	113	148	254.49	ug/l	-0.03
Spiked Amount			Recovery	=	508.98%	
50) Toluene-d8	7.76	98	274	197.33	ug/l	0.04
Spiked Amount			Recovery	=	394.66%	
62) 4-Bromofluorobenzene	11.39	95	345	655.11	ug/l	-0.12
Spiked Amount			Recovery	=	1310.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	74	5.342	ug/l #	41
3) Chloromethane	1.17	50	1097	85.999	ug/l	92
4) Vinyl Chloride	1.18	62	607	51.696	ug/l	91
5) Bromomethane	1.30	94	947	147.427	ug/l	87
6) Chloroethane	1.42	64	110	25.508	ug/l #	19
7) Trichlorofluoromethane	1.46	101	194	12.305	ug/l	86
8) Diethyl Ether	1.64	74	305	97.652	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.88	101	130	12.949	ug/l #	16
10) Methyl Iodide	1.98	142	271	13.742	ug/l #	37
11) Tert butyl alcohol	2.71	59	689	1450.730	ug/l #	26
12) 1,1-Dichloroethene	1.91	96	1917	209.624	ug/l #	10
13) Acrolein	2.12	56	1200	2420.512	ug/l	98
14) Allyl chloride	2.19	41	1253	151.389	ug/l #	47
15) Acrylonitrile	3.08	53	992	740.462	ug/l	95
16) Acetone	2.43	43	1312	703.005	ug/l	95
17) Carbon Disulfide	1.90	76	106	3.911	ug/l #	72
18) Methyl Acetate	2.48	43	1256	428.270	ug/l #	90
19) Methyl tert-butyl Ether	2.60	73	563	34.438	ug/l	94
20) Methylene Chloride	2.37	84	312	33.353	ug/l #	19
21) trans-1,2-Dichloroethene	2.41	96	208	23.270	ug/l #	17
22) Diisopropyl ether	2.96	45	513	25.130	ug/l #	42
23) Vinyl Acetate	3.37	43	2046	148.579	ug/l #	83
24) 1,1-Dichloroethane	3.01	63	131	8.748	ug/l #	1
25) 2-Butanone	4.53	43	243	60.944	ug/l #	50
26) 2,2-Dichloropropane	3.82	77	219	25.559	ug/l	74
27) cis-1,2-Dichloroethene	3.66	96	418	28.430	ug/l	51
28) Bromochloromethane	3.94	49	221	26.313	ug/l #	1
29) Tetrahydrofuran	4.25	42	281	174.154	ug/l #	1
30) Chloroform	4.02	83	328	15.775	ug/l	100
31) Cyclohexane	3.88	56	482	23.971	ug/l #	53
32) 1,1,1-Trichloroethane	4.30	97	493	35.703	ug/l #	64
36) 1,1-Dichloropropene	4.43	75	584	749.905	ug/l #	84
37) Ethyl Acetate	4.26	43	1580	4969.005	ug/l #	9
38) Carbon Tetrachloride	4.13	117	93	158.787	ug/l #	1

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

39) Methylcyclohexane	5.60	83	70	74.702	ug/l #	1
40) Benzene	4.69	78	652	307.320	ug/l	98
41) Methacrylonitrile	4.87	41	1178	7066.441	ug/l #	83
42) 1,2-Dichloroethane	5.07	62	131	309.638	ug/l	71
43) Isopropyl Acetate	7.07	43	915	2221.178	ug/l #	43
44) Trichloroethene	5.66	130	66	110.687	ug/l	92
45) 1,2-Dichloropropane	6.34	63	356	664.726	ug/l #	42
46) Dibromomethane	6.18	93	182	588.019	ug/l #	23
47) Bromodichloromethane	6.49	83	216	336.159	ug/l #	51
48) Methyl methacrylate	6.80	41	806	3743.339	ug/l #	31
49) 1,4-Dioxane	6.79	88	170	61644.460	ug/l #	1
51) 4-Methyl-2-Pentanone	8.15	43	554	1967.474	ug/l	92
52) Toluene	7.70	92	66	59.318	ug/l #	61
53) t-1,3-Dichloropropene	8.37	75	1036	1970.756	ug/l #	63
54) cis-1,3-Dichloropropene	7.41	75	403	547.651	ug/l #	1
55) 1,1,2-Trichloroethane	8.55	97	136	412.822	ug/l #	1
56) Ethyl methacrylate	8.71	69	742	1890.512	ug/l #	68
57) 1,3-Dichloropropane	8.90	76	428	762.741	ug/l #	68
58) 2-Chloroethyl Vinyl ether	7.37	63	132	1033.232	ug/l #	1
59) 2-Hexanone	9.56	43	1011	5923.098	ug/l	75
60) Dibromochloromethane	8.79	129	205	477.449	ug/l #	53
61) 1,2-Dibromoethane	9.05	107	406	1160.283	ug/l #	3
64) Tetrachloroethene	8.33	164	375	537.897	ug/l #	1
65) Chlorobenzene	9.94	112	157	90.835	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	509	733.575	ug/l	68
67) Ethyl Benzene	10.04	91	128	42.630	ug/l #	42
68) m/p-Xylenes	10.26	106	414	366.853	ug/l #	1
69) o-Xylene	10.85	106	60	51.618	ug/l	40
70) Styrene	10.88	104	308	174.332	ug/l #	28
71) Bromoform	10.86	173	73	210.064	ug/l #	23
73) Isopropylbenzene	11.24	105	202	19.709	ug/l #	45
74) N-amyl acetate	11.46	43	863	364.928	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	11.79	83	280	133.681	ug/l #	23
76) 1,2,3-Trichloropropane	11.98	75	897	651.776	ug/l	74
77) Bromobenzene	11.58	156	127	49.851	ug/l #	31
78) n-propylbenzene	11.64	91	742	61.174	ug/l #	50
79) 2-Chlorotoluene	11.85	91	250	36.573	ug/l	87
80) 1,3,5-Trimethylbenzene	11.91	105	140	17.035	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.98	75	897	1466.291	ug/l #	68
82) 4-Chlorotoluene	12.10	91	449	66.608	ug/l	84
83) tert-Butylbenzene	12.19	119	125	14.992	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.26	105	226	28.413	ug/l	88
85) sec-Butylbenzene	12.38	105	168	15.014	ug/l #	54
86) p-Isopropyltoluene	12.51	119	258	27.360	ug/l #	27
87) 1,3-Dichlorobenzene	12.51	146	190	41.223	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	68	15.721	ug/l #	24
89) n-Butylbenzene	12.92	91	308	33.127	ug/l #	25
90) Hexachloroethane	13.09	117	85	37.575	ug/l	72
91) 1,2-Dichlorobenzene	13.00	146	66	16.064	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.71	75	523	2093.091	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	65	22.102	ug/l #	11
94) Hexachlorobutadiene	14.24	225	68	33.133	ug/l #	16
95) Naphthalene	14.47	128	385	72.061	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.58	180	70	25.129	ug/l #	11

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

