

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062646.D
 Acq On : 17 May 2019 18:51
 Operator : FY/SY
 Sample : K2894-10
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-2.5-3.5

Quant Time: May 18 01:43:07 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	5.05	168	58666	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	46473	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	7142	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	228	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	3664	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	
35) Dibromofluoromethane	4.30	113	8257	23.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	46.44%	
50) Toluene-d8	7.71	98	23022	27.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	54.22%	
62) 4-Bromofluorobenzene	11.49	95	1228	3.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	7.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	903	1.131	ug/l #	41
3) Chloromethane	1.11	50	2335	3.176	ug/l	93
5) Bromomethane	1.47	94	1255	3.390	ug/l	90
6) Chloroethane	1.31	64	607	2.442	ug/l	94
8) Diethyl Ether	1.67	74	752	4.178	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	618	1.068	ug/l #	69
11) Tert butyl alcohol	2.71	59	105	3.836	ug/l #	70
13) Acrolein	2.12	56	575	20.126	ug/l #	48
14) Allyl chloride	2.21	41	2453	5.143	ug/l #	52
15) Acrylonitrile	3.07	53	489	6.334	ug/l #	67
16) Acetone	2.34	43	1880	17.480	ug/l	97
17) Carbon Disulfide	1.88	76	2293	1.468	ug/l #	58
18) Methyl Acetate	2.47	43	860	5.088	ug/l #	52
19) Methyl tert-butyl Ether	2.61	73	2229	2.366	ug/l #	76
20) Methylene Chloride	2.31	84	1497	2.777	ug/l #	60
22) Diisopropyl ether	2.91	45	1281	1.089	ug/l #	74
23) Vinyl Acetate	3.33	43	1095	1.380	ug/l #	73
25) 2-Butanone	4.63	43	1190	5.179	ug/l	98
26) 2,2-Dichloropropane	3.72	77	659	1.335	ug/l	78
29) Tetrahydrofuran	4.27	42	358	3.850	ug/l #	70
32) 1,1,1-Trichloroethane	4.29	97	884	1.111	ug/l #	74
37) Ethyl Acetate	4.29	43	2043	10.507	ug/l #	24
41) Methacrylonitrile	4.92	41	431	4.228	ug/l #	57
42) 1,2-Dichloroethane	5.15	62	315	1.218	ug/l	71
43) Isopropyl Acetate	7.10	43	513	2.037	ug/l #	43
45) 1,2-Dichloropropane	6.55	63	404	1.234	ug/l	93
46) Dibromomethane	6.29	93	435	2.298	ug/l #	31
48) Methyl methacrylate	6.86	41	886	6.729	ug/l #	37
49) 1,4-Dioxane	6.88	88	71	42.103	ug/l #	1
51) 4-Methyl-2-Pentanone	8.34	43	758	4.402	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	922	2.868	ug/l #	74
54) cis-1,3-Dichloropropene	7.44	75	830	1.845	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	468	2.323	ug/l #	69
56) Ethyl methacrylate	8.74	69	697	2.904	ug/l #	42

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

58) 2-Chloroethyl Vinyl ether	7.45	63	671	8.589	µg/l #	63
59) 2-Hexanone	9.63	43	600	Below Cal		76
60) Dibromochloromethane	8.94	129	377	1.436	µg/l	82
64) Tetrachloroethene	8.27	164	156	2.757	µg/l #	23
65) Chlorobenzene	9.88	112	254	1.811	µg/l	96
66) 1,1,1,2-Tetrachloroethane	10.11	131	90	1.598	µg/l	77
67) Ethyl Benzene	10.00	91	1122	4.604	µg/l	95
68) m/p-Xylenes	10.24	106	226	2.468	µg/l #	32
70) Styrene	10.89	104	338	2.357	µg/l #	15
71) Bromoform	10.83	173	66	2.340	µg/l #	27
73) Isopropylbenzene	11.21	105	1319	80.717	µg/l	94
74) N-amyl acetate	11.47	43	691	180.252	µg/l #	77
75) 1,1,2,2-Tetrachloroethane	11.80	83	610	182.660	µg/l #	23
76) 1,2,3-Trichloropropane	11.89	75	364	165.886	µg/l #	1
77) Bromobenzene	11.56	156	396	97.491	µg/l #	1
78) n-propylbenzene	11.84	91	589	30.456	µg/l	95
79) 2-Chlorotoluene	11.79	91	314	28.810	µg/l	73
80) 1,3,5-Trimethylbenzene	11.88	105	678	51.744	µg/l	69
81) trans-1,4-Dichloro-2-buten	11.93	75	310	317.827	µg/l #	41
82) 4-Chlorotoluene	11.97	91	1056	98.253	µg/l #	37
83) tert-Butylbenzene	12.19	119	942	70.861	µg/l #	40
84) 1,2,4-Trimethylbenzene	12.11	105	500	39.426	µg/l	65
85) sec-Butylbenzene	12.37	105	1140	63.900	µg/l #	54
86) p-Isopropyltoluene	12.52	119	347	23.079	µg/l #	60
87) 1,3-Dichlorobenzene	12.55	146	322	43.817	µg/l #	23
88) 1,4-Dichlorobenzene	12.58	146	161	23.346	µg/l #	56
89) n-Butylbenzene	12.87	91	482	32.515	µg/l #	25
90) Hexachloroethane	12.94	117	80	22.181	µg/l #	20
91) 1,2-Dichlorobenzene	13.01	146	77	11.754	µg/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	689	1729.445	µg/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	142	30.284	µg/l #	82
94) Hexachlorobutadiene	14.24	225	137	41.867	µg/l #	16
95) Naphthalene	14.48	128	89	10.448	µg/l #	1
96) 1,2,3-Trichlorobenzene	14.61	180	93	20.939	µg/l #	11

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

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