

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062644.D
 Acq On : 17 May 2019 17:55
 Operator : FY/SY
 Sample : K2894-04
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-05-4-5

Quant Time: May 18 01:41:44 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	4.98	168	322	50.00	ug/l	-0.09
34) 1,4-Difluorobenzene	5.68	114	224	50.00	ug/l	-0.11
63) Chlorobenzene-d5	9.75	117	70	50.00	ug/l	-0.17
72) 1,4-Dichlorobenzene-d4	12.64	152	75	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.96	65	305	134.04	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	268.08%	
35) Dibromofluoromethane	4.23	113	127	74.09	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	148.18%	
50) Toluene-d8	7.59	98	226	55.22	ug/l	-0.13
Spiked Amount	50.000		Recovery	=	110.44%	
62) 4-Bromofluorobenzene	11.26	95	429	276.39	ug/l	-0.25
Spiked Amount	50.000		Recovery	=	552.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	270	61.617	ug/l #	41
3) Chloromethane	1.08	50	1453	360.116	ug/l	98
4) Vinyl Chloride	1.02	62	397	106.893	ug/l	96
5) Bromomethane	1.34	94	1374	676.248	ug/l #	49
6) Chloroethane	1.50	64	579	424.478	ug/l	92
7) Trichlorofluoromethane	1.51	101	128	25.668	ug/l #	21
8) Diethyl Ether	1.70	74	1346	1362.446	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.85	101	81	25.509	ug/l #	19
10) Methyl Iodide	1.94	142	261	41.842	ug/l #	1
11) Tert butyl alcohol	2.63	59	516	3434.859	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	211	72.944	ug/l #	1
13) Acrolein	2.08	56	696	4438.408	ug/l	99
14) Allyl chloride	2.15	41	504	192.515	ug/l #	40
15) Acrylonitrile	3.07	53	587	1385.228	ug/l #	54
16) Acetone	2.31	43	957	1621.169	ug/l	97
17) Carbon Disulfide	1.89	76	357	41.639	ug/l #	1
18) Methyl Acetate	2.26	43	457	492.647	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	2015	389.674	ug/l	92
20) Methylene Chloride	2.28	84	300	101.388	ug/l #	63
21) trans-1,2-Dichloroethene	2.40	96	491	173.664	ug/l #	30
22) Diisopropyl ether	2.90	45	1282	198.547	ug/l #	1
23) Vinyl Acetate	3.28	43	2427	557.204	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	156	32.934	ug/l #	1
25) 2-Butanone	4.46	43	800	634.314	ug/l	91
26) 2,2-Dichloropropane	3.77	77	1253	462.323	ug/l	89
27) cis-1,2-Dichloroethene	3.57	96	496	106.652	ug/l	24
28) Bromochloromethane	3.84	49	250	94.105	ug/l #	3
29) Tetrahydrofuran	4.22	42	1669	3270.203	ug/l #	39
30) Chloroform	3.94	83	598	90.928	ug/l	91
31) Cyclohexane	3.80	56	811	127.513	ug/l #	41
32) 1,1,1-Trichloroethane	4.24	97	383	87.690	ug/l #	64
36) 1,1-Dichloropropene	4.53	75	270	117.631	ug/l	80
37) Ethyl Acetate	4.22	43	551	587.935	ug/l #	47
38) Carbon Tetrachloride	4.11	117	381	220.710	ug/l #	12

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

39) Methylcyclohexane	5.55	83	164	59.381	ug/l #	1
40) Benzene	4.73	78	843	134.814	ug/l #	1
41) Methacrylonitrile	4.84	41	860	1750.328	ug/l #	50
42) 1,2-Dichloroethane	5.05	62	170	136.332	ug/l	71
43) Isopropyl Acetate	6.99	43	1635	1346.621	ug/l #	68
44) Trichloroethene	5.56	130	108	61.453	ug/l	1
45) 1,2-Dichloropropane	6.29	63	155	98.195	ug/l #	42
46) Dibromomethane	6.16	93	200	219.238	ug/l #	3
47) Bromodichloromethane	6.41	83	218	115.110	ug/l #	63
48) Methyl methacrylate	6.74	41	669	1054.183	ug/l #	46
49) 1,4-Dioxane	6.76	88	151	18577.516	ug/l #	1
51) 4-Methyl-2-Pentanone	8.23	43	1961	2362.884	ug/l	89
52) Toluene	7.79	92	65	19.821	ug/l	86
53) t-1,3-Dichloropropene	8.24	75	1405	906.807	ug/l #	67
54) cis-1,3-Dichloropropene	7.33	75	382	176.128	ug/l #	78
55) 1,1,2-Trichloroethane	8.45	97	371	382.088	ug/l #	59
56) Ethyl methacrylate	8.65	69	2070	1789.416	ug/l #	13
57) 1,3-Dichloropropane	8.82	76	72	43.534	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.30	63	331	879.058	ug/l #	51
59) 2-Hexanone	9.48	43	878	1731.712	ug/l	79
60) Dibromochloromethane	8.56	129	75	59.265	ug/l	69
61) 1,2-Dibromoethane	9.09	107	137	132.838	ug/l	99
64) Tetrachloroethene	8.33	164	271	488.677	ug/l #	15
65) Chlorobenzene	9.95	112	400	290.937	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	78	141.321	ug/l #	18
67) Ethyl Benzene	10.04	91	928	388.538	ug/l #	54
68) m/p-Xylenes	10.29	106	254	282.951	ug/l #	32
69) o-Xylene	10.91	106	186	201.164	ug/l	73
70) Styrene	10.88	104	369	262.565	ug/l #	25
71) Bromoform	10.88	173	182	658.394	ug/l #	27
73) Isopropylbenzene	11.24	105	422	78.506	ug/l	97
74) N-amyl acetate	11.48	43	1236	1006.999	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	11.76	83	149	135.636	ug/l #	78
76) 1,2,3-Trichloropropane	11.72	75	272	376.834	ug/l	89
77) Bromobenzene	11.64	156	70	52.389	ug/l #	1
78) n-propylbenzene	11.79	91	408	64.135	ug/l	100
79) 2-Chlorotoluene	11.79	91	408	113.802	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.98	105	296	68.674	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.98	75	520	1620.712	ug/l #	65
82) 4-Chlorotoluene	12.09	91	715	202.238	ug/l	80
83) tert-Butylbenzene	12.22	119	273	62.429	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.29	105	199	47.702	ug/l	99
85) sec-Butylbenzene	12.36	105	403	68.671	ug/l #	54
86) p-Isopropyltoluene	12.45	119	610	123.338	ug/l	93
87) 1,3-Dichlorobenzene	12.56	146	69	28.543	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	238	104.914	ug/l #	24
89) n-Butylbenzene	12.91	91	526	107.869	ug/l #	30
90) Hexachloroethane	13.11	117	116	97.773	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	79	36.662	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.80	75	85	648.605	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	74	47.976	ug/l #	11
94) Hexachlorobutadiene	14.22	225	192	178.371	ug/l #	16
95) Naphthalene	14.51	128	120	42.825	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.63	180	93	63.655	ug/l #	37

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

