

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062661.D
 Acq On : 20 May 2019 15:28
 Operator : FY/SY
 Sample : K2894-04
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 20 15:49:59 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	397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.69	114	128	50.00	ug/l	-0.10
63) Chlorobenzene-d5	9.75	117	161	50.00	ug/l	-0.17
72) 1,4-Dichlorobenzene-d4	12.67	152	153	50.00	ug/l	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	134	47.77	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	95.54%	
35) Dibromofluoromethane	4.25	113	136	138.85	ug/l	-0.07
Spiked Amount				50.000		
			Recovery	=	277.70%	
50) Toluene-d8	7.62	98	199	85.09	ug/l	-0.10
Spiked Amount				50.000		
			Recovery	=	170.18%	
62) 4-Bromofluorobenzene	11.32	95	606	683.24	ug/l	-0.19
Spiked Amount				50.000		
			Recovery	=	1366.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	289	53.493	ug/l	96
3) Chloromethane	1.11	50	561	112.773	ug/l #	1
4) Vinyl Chloride	1.16	62	273	59.619	ug/l #	41
5) Bromomethane	1.45	94	946	377.638	ug/l	99
6) Chloroethane	1.44	64	292	173.630	ug/l #	45
7) Trichlorofluoromethane	1.53	101	212	34.481	ug/l #	83
8) Diethyl Ether	1.71	74	83	68.142	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.92	101	214	54.661	ug/l #	19
10) Methyl Iodide	2.00	142	279	36.278	ug/l #	19
11) Tert butyl alcohol	2.72	59	542	2926.334	ug/l #	21
12) 1,1-Dichloroethene	1.87	96	494	138.517	ug/l #	1
13) Acrolein	2.16	56	399	2063.746	ug/l	90
14) Allyl chloride	2.24	41	2358	730.539	ug/l #	26
15) Acrylonitrile	3.12	53	352	673.738	ug/l #	16
16) Acetone	2.33	43	1594	2190.131	ug/l	93
17) Carbon Disulfide	1.93	76	202	19.110	ug/l #	19
18) Methyl Acetate	2.37	43	1158	1012.498	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	559	87.681	ug/l #	60
20) Methylene Chloride	2.36	84	77	21.107	ug/l #	1
21) trans-1,2-Dichloroethene	2.29	96	1011	290.031	ug/l	83
22) Diisopropyl ether	2.92	45	475	59.667	ug/l #	4
23) Vinyl Acetate	3.38	43	510	94.969	ug/l #	46
24) 1,1-Dichloroethane	3.00	63	581	99.485	ug/l #	1
25) 2-Butanone	4.50	43	619	398.080	ug/l #	50
26) 2,2-Dichloropropane	3.70	77	549	164.298	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	496	86.504	ug/l	26
28) Bromochloromethane	3.89	49	687	209.746	ug/l #	2
29) Tetrahydrofuran	4.30	42	703	1117.221	ug/l #	63
30) Chloroform	4.17	83	153	18.869	ug/l	96
31) Cyclohexane	3.86	56	532	67.844	ug/l #	46
32) 1,1,1-Trichloroethane	4.26	97	523	97.122	ug/l #	23
36) 1,1-Dichloropropene	4.40	75	119	90.729	ug/l #	1
37) Ethyl Acetate	4.23	43	1382	2580.620	ug/l #	9
38) Carbon Tetrachloride	4.16	117	350	354.816	ug/l #	3

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39) Methylcyclohexane	5.46	83	515	326.323	ug/l	95
40) Benzene	4.72	78	476	133.215	ug/l	97
41) Methacrylonitrile	4.85	41	473	1684.691	ug/l #	60
42) 1,2-Dichloroethane	5.13	62	233	326.996	ug/l	71
43) Isopropyl Acetate	7.02	43	589	848.948	ug/l #	43
44) Trichloroethene	5.52	130	128	127.458	ug/l	1
45) 1,2-Dichloropropane	6.33	63	214	237.252	ug/l #	16
46) Dibromomethane	6.17	93	170	326.116	ug/l #	21
47) Bromodichloromethane	6.43	83	175	161.708	ug/l #	15
48) Methyl methacrylate	6.79	41	832	2294.305	ug/l #	21
49) 1,4-Dioxane	6.77	88	166	35740.189	ug/l #	32
51) 4-Methyl-2-Pentanone	8.23	43	1026	2163.467	ug/l	90
52) Toluene	7.65	92	275	146.750	ug/l #	1
53) t-1,3-Dichloropropene	8.33	75	658	743.195	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	233	188.000	ug/l #	1
55) 1,1,2-Trichloroethane	8.51	97	96	173.021	ug/l #	16
56) Ethyl methacrylate	8.63	69	464	701.935	ug/l #	1
57) 1,3-Dichloropropane	8.95	76	422	446.528	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	538	2500.401	ug/l #	80
59) 2-Hexanone	9.50	43	1297	4507.138	ug/l	90
60) Dibromochloromethane	8.66	129	187	258.594	ug/l	86
61) 1,2-Dibromoethane	9.02	107	88	149.322	ug/l	100
64) Tetrachloroethene	8.28	164	109	85.458	ug/l #	38
65) Chlorobenzene	9.93	112	93	29.410	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.17	131	179	141.006	ug/l	74
67) Ethyl Benzene	10.07	91	315	57.341	ug/l #	23
68) m/p-Xylenes	10.39	106	161	77.979	ug/l	100
69) o-Xylene	10.84	106	182	85.582	ug/l #	1
70) Styrene	10.90	104	171	52.903	ug/l #	1
71) Bromoform	10.91	173	155	243.791	ug/l #	27
73) Isopropylbenzene	11.22	105	374	34.106	ug/l	88
74) N-amyl acetate	11.46	43	637	249.881	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	11.80	83	283	126.283	ug/l #	53
76) 1,2,3-Trichloropropane	11.85	75	631	428.529	ug/l	98
77) Bromobenzene	11.46	156	170	62.368	ug/l	74
78) n-propylbenzene	11.68	91	215	16.567	ug/l #	50
79) 2-Chlorotoluene	11.88	91	379	51.820	ug/l	78
80) 1,3,5-Trimethylbenzene	11.92	105	69	7.847	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.93	75	519	792.939	ug/l #	69
82) 4-Chlorotoluene	11.88	91	379	52.549	ug/l	82
83) tert-Butylbenzene	12.18	119	167	18.720	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.26	105	173	20.328	ug/l #	25
85) sec-Butylbenzene	12.42	105	503	42.015	ug/l #	54
86) p-Isopropyltoluene	12.52	119	273	27.058	ug/l #	37
87) 1,3-Dichlorobenzene	12.52	146	71	14.397	ug/l #	9
88) 1,4-Dichlorobenzene	12.62	146	400	86.434	ug/l #	63
89) n-Butylbenzene	12.88	91	186	18.698	ug/l #	25
90) Hexachloroethane	12.98	117	71	29.335	ug/l #	1
91) 1,2-Dichlorobenzene	12.98	146	84	19.109	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	370	1383.989	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.16	180	151	47.989	ug/l #	6
94) Hexachlorobutadiene	14.21	225	69	31.423	ug/l #	16
95) Naphthalene	14.53	128	231	40.410	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.63	180	88	29.526	ug/l #	76

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

