

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062708.D
 Acq On : 22 May 2019 16:22
 Operator : FY/SY
 Sample : K2642-05RE
 Misc : 6.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

Quant Time: May 23 01:23:01 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	5.10	168	896	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.86	114	60	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.03	117	83	50.00	ug/l	0.11
72) 1,4-Dichlorobenzene-d4	12.72	152	145	50.00	ug/l	0.10

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	529	83.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.10%	
35) Dibromofluoromethane	4.38	113	60	130.68	ug/l	0.06
Spiked Amount	50.000		Recovery	=	261.36%	
50) Toluene-d8	7.85	98	399	363.98	ug/l	0.13
Spiked Amount	50.000		Recovery	=	727.96%	
62) 4-Bromofluorobenzene	11.64	95	354	851.46	ug/l	0.14
Spiked Amount	50.000		Recovery	=	1702.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	341	27.966	ug/l	73
3) Chloromethane	1.22	50	977	87.020	ug/l	99
4) Vinyl Chloride	1.11	62	314	30.383	ug/l	91
5) Bromomethane	1.35	94	176	31.130	ug/l	100
6) Chloroethane	1.46	64	277	72.980	ug/l	99
7) Trichlorofluoromethane	1.58	101	408	29.402	ug/l #	74
8) Diethyl Ether	1.83	74	323	117.496	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.94	101	393	44.478	ug/l #	55
10) Methyl Iodide	1.98	142	119	6.856	ug/l #	37
11) Tert butyl alcohol	2.73	59	77	184.203	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	810	100.634	ug/l #	1
13) Acrolein	2.16	56	626	1434.631	ug/l	87
14) Allyl chloride	2.19	41	430	59.027	ug/l #	34
15) Acrylonitrile	3.13	53	416	352.796	ug/l #	28
16) Acetone	2.34	43	580	353.096	ug/l	98
17) Carbon Disulfide	1.91	76	442	18.527	ug/l #	1
18) Methyl Acetate	2.49	43	838	324.647	ug/l #	52
19) Methyl tert-butyl Ether	2.64	73	549	38.155	ug/l	99
20) Methylene Chloride	2.35	84	414	50.282	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	928	117.957	ug/l #	6
22) Diisopropyl ether	2.97	45	622	34.619	ug/l #	1
23) Vinyl Acetate	3.39	43	726	59.900	ug/l #	74
24) 1,1-Dichloroethane	3.03	63	141	10.697	ug/l #	1
25) 2-Butanone	4.56	43	319	90.898	ug/l	93
26) 2,2-Dichloropropane	3.79	77	451	59.802	ug/l	90
27) cis-1,2-Dichloroethene	3.71	96	767	59.269	ug/l	29
28) Bromochloromethane	3.96	49	489	66.150	ug/l #	3
29) Tetrahydrofuran	4.05	42	357	251.382	ug/l	91
30) Chloroform	4.17	83	194	10.601	ug/l	96
31) Cyclohexane	3.95	56	643	36.332	ug/l #	24
32) 1,1,1-Trichloroethane	4.32	97	352	28.963	ug/l #	37
36) 1,1-Dichloropropene	4.49	75	255	414.759	ug/l #	67
37) Ethyl Acetate	4.34	43	843	3358.167	ug/l #	40
38) Carbon Tetrachloride	4.23	117	85	183.828	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.69	83	354	478.523	ug/l #	69
40) Benzene	4.86	78	419	250.161	ug/l #	45
41) Methacrylonitrile	5.02	41	1500	11397.485	ug/l #	56
42) 1,2-Dichloroethane	5.22	62	302	904.174	ug/l	71
43) Isopropyl Acetate	7.22	43	1284	3948.113	ug/l #	42
44) Trichloroethene	5.73	130	71	150.825	ug/l	93
45) 1,2-Dichloropropane	6.61	63	661	1563.350	ug/l	93
46) Dibromomethane	6.36	93	340	1391.428	ug/l #	51
47) Bromodichloromethane	6.63	83	289	569.707	ug/l #	25
48) Methyl methacrylate	6.98	41	994	5847.535	ug/l #	17
49) 1,4-Dioxane	6.97	88	70	32151.816	ug/l #	1
51) 4-Methyl-2-Pentanone	8.52	43	946	4255.522	ug/l #	77
52) Toluene	7.90	92	244	277.776	ug/l #	43
53) t-1,3-Dichloropropene	8.41	75	1117	2691.464	ug/l	96
54) cis-1,3-Dichloropropene	7.58	75	418	719.511	ug/l #	1
55) 1,1,2-Trichloroethane	8.74	97	99	380.646	ug/l #	15
56) Ethyl methacrylate	8.85	69	672	2168.738	ug/l #	62
57) 1,3-Dichloropropane	9.13	76	347	783.294	ug/l #	33
58) 2-Chloroethyl Vinyl ether	7.53	63	93	922.081	ug/l #	51
59) 2-Hexanone	9.80	43	491	3636.305	ug/l	90
60) Dibromochloromethane	9.12	129	69	203.556	ug/l	77
61) 1,2-Dibromoethane	9.26	107	195	705.886	ug/l #	3
64) Tetrachloroethene	8.31	164	141	214.433	ug/l #	1
65) Chlorobenzene	9.81	112	208	127.592	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.01	131	107	163.499	ug/l	84
67) Ethyl Benzene	10.05	91	70	24.717	ug/l #	42
68) m/p-Xylenes	10.11	106	91	85.495	ug/l	75
69) o-Xylene	10.85	106	66	60.201	ug/l #	1
70) Styrene	10.87	104	69	41.408	ug/l #	1
71) Bromoform	10.90	173	69	210.515	ug/l #	27
73) Isopropylbenzene	11.19	105	244	23.479	ug/l	87
74) N-amyl acetate	11.46	43	253	101.208	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.79	83	322	151.613	ug/l #	9
76) 1,2,3-Trichloropropane	11.72	75	250	179.149	ug/l	95
77) Bromobenzene	11.59	156	195	75.487	ug/l #	1
78) n-propylbenzene	11.80	91	678	55.126	ug/l	92
79) 2-Chlorotoluene	11.80	91	678	97.817	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	67	8.040	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	138	222.472	ug/l #	1
82) 4-Chlorotoluene	12.01	91	406	59.398	ug/l	96
83) tert-Butylbenzene	12.16	119	550	65.055	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.21	105	103	12.771	ug/l #	25
85) sec-Butylbenzene	12.40	105	229	20.184	ug/l #	54
86) p-Isopropyltoluene	12.55	119	67	7.007	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	190	40.654	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	82	18.697	ug/l #	24
89) n-Butylbenzene	12.90	91	74	7.849	ug/l #	1
90) Hexachloroethane	13.11	117	194	84.578	ug/l	83
91) 1,2-Dichlorobenzene	13.07	146	76	18.243	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	114	449.945	ug/l #	17

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	300	100.603	ug/l #	11
94) Hexachlorobutadiene	14.20	225	164	78.806	ug/l #	16
95) Naphthalene	14.49	128	130	23.997	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.61	180	105	37.173	ug/l #	1

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

