

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062746.D
 Acq On : 24 May 2019 14:42
 Operator : FY/SY
 Sample : VF0524SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBSD01

Quant Time: May 24 23:45:06 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	692744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1157480	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	868716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	421834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	212473	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	4.32	113	418904	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.72	98	940411	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	
62) 4-Bromofluorobenzene	11.49	95	352408	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	162358	17.222	ug/l	100
3) Chloromethane	1.13	50	150378	17.324	ug/l	91
4) Vinyl Chloride	1.18	62	143963	18.017	ug/l	97
5) Bromomethane	1.39	94	80644	18.449	ug/l	95
6) Chloroethane	1.44	64	57337	19.539	ug/l	99
7) Trichlorofluoromethane	1.55	101	214436	19.987	ug/l	93
8) Diethyl Ether	1.72	74	42546	20.018	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.92	101	138590	20.287	ug/l	97
10) Methyl Iodide	1.98	142	268000	19.970	ug/l	98
11) Tert butyl alcohol	2.70	59	33074	102.336	ug/l	95
12) 1,1-Dichloroethene	1.87	96	123300	19.813	ug/l	99
13) Acrolein	2.10	56	28463	84.369	ug/l	94
14) Allyl chloride	2.20	41	118344	21.012	ug/l	95
15) Acrylonitrile	3.09	53	131239	143.956	ug/l #	93
16) Acetone	2.35	43	102941	81.056	ug/l	93
17) Carbon Disulfide	1.91	76	359259m	19.477	ug/l	
18) Methyl Acetate	2.47	43	41683	20.886	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	223322	20.074	ug/l	97
20) Methylene Chloride	2.29	84	142901m	22.448	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	138658	22.796	ug/l	93
22) Diisopropyl ether	2.94	45	284357	20.470	ug/l	99
23) Vinyl Acetate	3.35	43	908010	96.899	ug/l	96
24) 1,1-Dichloroethane	3.02	63	213192	20.920	ug/l	99
25) 2-Butanone	4.53	43	293731	108.255	ug/l	94
26) 2,2-Dichloropropane	3.78	77	136067	23.336	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	206260	20.615	ug/l	97
28) Bromochloromethane	3.91	49	112758	19.729	ug/l	96
29) Tetrahydrofuran	4.28	42	105249	95.856	ug/l	98
30) Chloroform	4.06	83	297415	21.021	ug/l	93
31) Cyclohexane	3.89	56	276488	20.207	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	197225	20.989	ug/l	94
36) 1,1-Dichloropropene	4.49	75	222007	18.718	ug/l	94
37) Ethyl Acetate	4.31	43	81094	16.746	ug/l	88
38) Carbon Tetrachloride	4.19	117	175213	19.643	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	302318	21.184	ug/l	96
40) Benzene	4.83	78	674609	20.878	ug/l	100
41) Methacrylonitrile	4.93	41	45601	17.961	ug/l #	92
42) 1,2-Dichloroethane	5.14	62	128155	19.889	ug/l	94
43) Isopropyl Acetate	7.12	43	100914	16.085	ug/l	91
44) Trichloroethene	5.69	130	192079	21.151	ug/l	93
45) 1,2-Dichloropropane	6.41	63	176980	21.698	ug/l	97
46) Dibromomethane	6.27	93	100084	21.232	ug/l	93
47) Bromodichloromethane	6.56	83	193352	19.758	ug/l	98
48) Methyl methacrylate	6.88	41	54193	16.526	ug/l	94
49) 1,4-Dioxane	6.88	88	15136	360.376	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	406504	94.790	ug/l	94
52) Toluene	7.79	92	333385	19.674	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	152947	19.104	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	222048	19.813	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	99317	19.795	ug/l	93
56) Ethyl methacrylate	8.76	69	103417	17.301	ug/l	93
57) 1,3-Dichloropropane	9.00	76	164891	19.294	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	169628	87.181	ug/l	97
59) 2-Hexanone	9.63	43	282326	89.762	ug/l	98
60) Dibromochloromethane	8.86	129	123543	18.893	ug/l	95
61) 1,2-Dibromoethane	9.14	107	103240	19.373	ug/l	97
64) Tetrachloroethene	8.31	164	139153	20.219	ug/l	96
65) Chlorobenzene	9.94	112	353401	20.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	142637	20.824	ug/l	90
67) Ethyl Benzene	10.04	91	632260	21.330	ug/l	96
68) m/p-Xylenes	10.26	106	467308	41.947	ug/l	78
69) o-Xylene	10.82	106	233294	20.331	ug/l	97
70) Styrene	10.89	104	350527	20.098	ug/l	98
71) Bromoform	10.88	173	62435	18.200	ug/l #	97
73) Isopropylbenzene	11.22	105	646975	21.399	ug/l	97
74) N-amyl acetate	11.46	43	173011	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	124557	20.159	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	81162	19.992	ug/l	90
77) Bromobenzene	11.58	156	152376	20.276	ug/l	98
78) n-propylbenzene	11.67	91	777163	21.720	ug/l	91
79) 2-Chlorotoluene	11.80	91	421992	20.927	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	534863	22.063	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	32011m	17.739	ug/l	
82) 4-Chlorotoluene	11.98	91	435139	21.883	ug/l	97
83) tert-Butylbenzene	12.20	119	520863	21.177	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	494246	21.064	ug/l	94
85) sec-Butylbenzene	12.37	105	711474	21.555	ug/l	95
86) p-Isopropyltoluene	12.52	119	586521	21.085	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	276649	20.347	ug/l	94
88) 1,4-Dichlorobenzene	12.63	146	261379	20.486	ug/l	98
89) n-Butylbenzene	12.89	91	609466	22.222	ug/l	90
90) Hexachloroethane	12.97	117	137423	20.594	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	244787	20.197	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15969	21.665	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	166760	19.222	ug/l	96
94) Hexachlorobutadiene	14.23	225	120951	19.978	ug/l	91
95) Naphthalene	14.49	128	264680	16.794	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	150301	18.291	ug/l	97

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

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