

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062605.D
 Acq On : 15 May 2019 13:31
 Operator : FY/SY
 Sample : VF0515SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

Quant Time: May 15 15:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	645809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1156272	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	854758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	435345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	219700	45.03	ug/l	-0.01
Spiked Amount						
			Recovery	=		90.06%
35) Dibromofluoromethane	4.33	113	409928	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=		95.26%
50) Toluene-d8	7.73	98	971976	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=		95.86%
62) 4-Bromofluorobenzene	11.51	95	345886	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=		97.68%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	168529	26.063	ug/l	99
3) Chloromethane	1.14	50	165323	22.447	ug/l	99
4) Vinyl Chloride	1.20	62	164959	22.505	ug/l	100
5) Bromomethane	1.38	94	72914	18.914	ug/l	95
6) Chloroethane	1.44	64	60341	21.677	ug/l	92
7) Trichlorofluoromethane	1.56	101	231767	23.077	ug/l	100
8) Diethyl Ether	1.72	74	46171	20.508	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	150179	21.922	ug/l	95
10) Methyl Iodide	1.98	142	273510	22.417	ug/l	97
11) Tert butyl alcohol	2.71	59	30394	103.473	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	133062	22.674	ug/l	99
13) Acrolein	2.11	56	24991	128.376	ug/l	89
14) Allyl chloride	2.21	41	153567	25.574	ug/l	96
15) Acrylonitrile	3.10	53	100276	95.433	ug/l	92
16) Acetone	2.36	43	109716	110.827	ug/l	95
17) Carbon Disulfide	1.92	76	328649	23.545	ug/l	99
18) Methyl Acetate	2.48	43	46166	18.740	ug/l #	88
19) Methyl tert-butyl Ether	2.57	73	248151	23.750	ug/l	99
20) Methylene Chloride	2.30	84	136322m	19.457	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	126587	21.404	ug/l	97
22) Diisopropyl ether	2.95	45	310129	22.213	ug/l	99
23) Vinyl Acetate	3.37	43	893139	116.955	ug/l	100
24) 1,1-Dichloroethane	3.03	63	232608	21.886	ug/l	100
25) 2-Butanone	4.55	43	256233	114.486	ug/l	96
26) 2,2-Dichloropropane	3.80	77	136888	23.865	ug/l	93
27) cis-1,2-Dichloroethene	3.67	96	188016	22.502	ug/l	94
28) Bromochloromethane	3.93	49	130646	21.868	ug/l	88
29) Tetrahydrofuran	4.29	42	96905	102.317	ug/l	92
30) Chloroform	4.08	83	282095	22.119	ug/l	96
31) Cyclohexane	3.91	56	250945	22.654	ug/l	91
32) 1,1,1-Trichloroethane	4.31	97	198488	23.090	ug/l	94
36) 1,1-Dichloropropene	4.50	75	208321	20.821	ug/l	94
37) Ethyl Acetate	4.32	43	83436	20.293	ug/l	95
38) Carbon Tetrachloride	4.21	117	195145	23.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	260910	22.272	ug/l	90
40) Benzene	4.84	78	604005	21.220	ug/l	94
41) Methacrylonitrile	4.95	41	49927	21.444	ug/l	99
42) 1,2-Dichloroethane	5.15	62	120095	19.883	ug/l	92
43) Isopropyl Acetate	7.13	43	101076	20.775	ug/l #	93
44) Trichloroethene	5.71	130	163956	21.329	ug/l	99
45) 1,2-Dichloropropane	6.43	63	155740	21.737	ug/l	96
46) Dibromomethane	6.28	93	86355	21.558	ug/l	96
47) Bromodichloromethane	6.57	83	184368	21.410	ug/l #	95
48) Methyl methacrylate	6.89	41	50879	19.105	ug/l #	87
49) 1,4-Dioxane	6.89	88	14264	406.452	ug/l #	75
51) 4-Methyl-2-Pentanone	8.42	43	391743	109.887	ug/l	99
52) Toluene	7.80	92	313706	21.955	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	147167	21.633	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	214901	22.354	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	93977	21.967	ug/l	99
56) Ethyl methacrylate	8.78	69	95331	20.331	ug/l	95
57) 1,3-Dichloropropane	9.01	76	152757	21.634	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	169625	115.619	ug/l	99
59) 2-Hexanone	9.64	43	260911	110.816	ug/l	94
60) Dibromochloromethane	8.88	129	117460	21.610	ug/l	98
61) 1,2-Dibromoethane	9.15	107	92829	21.635	ug/l	98
64) Tetrachloroethene	8.32	164	125128	22.154	ug/l	92
65) Chlorobenzene	9.95	112	325164	21.882	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.08	131	128371	21.032	ug/l	99
67) Ethyl Benzene	10.05	91	595721	22.564	ug/l	100
68) m/p-Xylenes	10.28	106	417831	44.650	ug/l	95
69) o-Xylene	10.83	106	202441	20.622	ug/l	94
70) Styrene	10.91	104	308001	20.649	ug/l	97
71) Bromoform	10.89	173	60895	21.189	ug/l	96
73) Isopropylbenzene	11.22	105	606497	20.720	ug/l	98
74) N-amyl acetate	11.46	43	138551	19.494	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	118939	19.834	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	76527	19.906	ug/l	99
77) Bromobenzene	11.60	156	136340	20.611	ug/l	79
78) n-propylbenzene	11.69	91	723768	20.788	ug/l	97
79) 2-Chlorotoluene	11.80	91	395955	20.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	480301	20.962	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34200m	20.872	ug/l	
82) 4-Chlorotoluene	11.98	91	395559	21.054	ug/l	99
83) tert-Butylbenzene	12.21	119	497674	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	484588	21.530	ug/l	98
85) sec-Butylbenzene	12.38	105	675474	20.758	ug/l	99
86) p-Isopropyltoluene	12.52	119	577714	21.568	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	281858	21.786	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	255628	21.063	ug/l	98
89) n-Butylbenzene	12.91	91	594494	21.804	ug/l	99
90) Hexachloroethane	12.98	117	128655	18.751	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	237380	20.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15668	21.271	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	165031	20.677	ug/l	98
94) Hexachlorobutadiene	14.24	225	118327	20.409	ug/l	96
95) Naphthalene	14.50	128	255631	19.678	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	152027	20.532	ug/l	94

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

