

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061581.D
 Acq On : 11 Feb 2019 12:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 12 03:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	174886	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	296370	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	278745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	133922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	112519	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.10	113	122454	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	7.53	98	347211	54.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.38%	
62) 4-Bromofluorobenzene	11.40	95	154787	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.95	85	153874	44.780	ug/l 87
3) Chloromethane	1.09	50	110232	43.750	ug/l 98
4) Vinyl Chloride	1.14	62	104124	46.457	ug/l 95
5) Bromomethane	1.34	94	74774	51.161	ug/l 96
6) Chloroethane	1.38	64	51840	52.198	ug/l 97
7) Trichlorofluoromethane	1.48	101	202858	46.557	ug/l 100
8) Diethyl Ether	1.62	74	30277	54.230	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	99658	47.601	ug/l 93
10) Methyl Iodide	1.89	142	156992m	48.369	ug/l
11) Tert butyl alcohol	2.55	59	22824	249.730	ug/l 96
12) 1,1-Dichloroethene	1.78	96	79856	51.340	ug/l 90
13) Acrolein	1.99	56	21500	272.157	ug/l 92
14) Allyl chloride	2.09	41	133077	74.429	ug/l 93
15) Acrylonitrile	2.93	53	60244	257.335	ug/l 96
16) Acetone	2.22	43	124709	287.906	ug/l 99
17) Carbon Disulfide	1.82	76	224224	46.232	ug/l 99
18) Methyl Acetate	2.33	43	50025	58.235	ug/l 98
19) Methyl tert-butyl Ether	2.42	73	175155	50.233	ug/l 100
20) Methylene Chloride	2.18	84	75905m	51.682	ug/l
21) trans-1,2-Dichloroethene	2.30	96	82190	48.027	ug/l 97
22) Diisopropyl ether	2.79	45	283372	51.194	ug/l 99
23) Vinyl Acetate	3.17	43	654206	268.465	ug/l 98
24) 1,1-Dichloroethane	2.86	63	171540	49.377	ug/l 96
25) 2-Butanone	4.32	43	183694	255.015	ug/l 99
26) 2,2-Dichloropropane	3.59	77	100045	46.872	ug/l 99
27) cis-1,2-Dichloroethene	3.46	96	124191	49.161	ug/l 96
28) Bromochloromethane	3.70	49	73009	46.752	ug/l # 97
29) Tetrahydrofuran	4.05	42	73705	237.630	ug/l 95
30) Chloroform	3.84	83	227422	48.506	ug/l 98
31) Cyclohexane	3.67	56	147171	42.409	ug/l 97
32) 1,1,1-Trichloroethane	4.08	97	169289	49.244	ug/l 95
36) 1,1-Dichloropropene	4.26	75	172736	50.269	ug/l 96
37) Ethyl Acetate	4.09	43	67162	48.895	ug/l # 99
38) Carbon Tetrachloride	3.97	117	161518	53.766	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	157944	42.413	ug/l	91
40) Benzene	4.61	78	364986	47.734	ug/l	99
41) Methacrylonitrile	4.73	41	34658	47.419	ug/l	93
42) 1,2-Dichloroethane	4.93	62	140023	51.390	ug/l	94
43) Isopropyl Acetate	6.94	43	85473	49.580	ug/l #	99
44) Trichloroethene	5.48	130	113853	48.539	ug/l	100
45) 1,2-Dichloropropane	6.21	63	97549	48.609	ug/l	97
46) Dibromomethane	6.06	93	64322	48.203	ug/l	87
47) Bromodichloromethane	6.37	83	176870	53.572	ug/l	99
48) Methyl methacrylate	6.69	41	56459	48.771	ug/l	96
49) 1,4-Dioxane	6.69	88	7980	986.600	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	299077	235.982	ug/l	100
52) Toluene	7.61	92	230070	45.691	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	133551	50.942	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	165931	50.636	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	67015	46.867	ug/l	96
56) Ethyl methacrylate	8.60	69	79742	47.934	ug/l	91
57) 1,3-Dichloropropane	8.83	76	130715	48.772	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	64152	354.786	ug/l	97
59) 2-Hexanone	9.47	43	239750	271.283	ug/l	96
60) Dibromochloromethane	8.70	129	106931	51.153	ug/l	97
61) 1,2-Dibromoethane	8.97	107	77400	47.284	ug/l	90
64) Tetrachloroethene	8.13	164	97775	46.644	ug/l	92
65) Chlorobenzene	9.78	112	272873	48.139	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	116585	51.629	ug/l	98
67) Ethyl Benzene	9.88	91	503914	48.657	ug/l	99
68) m/p-Xylenes	10.12	106	339413	91.119	ug/l	99
69) o-Xylene	10.70	106	188008	46.570	ug/l	98
70) Styrene	10.78	104	268680	48.619	ug/l	98
71) Bromoform	10.76	173	55345	54.549	ug/l #	98
73) Isopropylbenzene	11.11	105	579576	53.211	ug/l	99
74) N-amyl acetate	11.36	43	149413	58.011	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	97831	50.418	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	70306	50.425	ug/l	92
77) Bromobenzene	11.48	156	118006	51.300	ug/l	85
78) n-propylbenzene	11.59	91	649358	48.804	ug/l	99
79) 2-Chlorotoluene	11.70	91	380349	50.328	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	456380	51.920	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	28959m	47.779	ug/l	
82) 4-Chlorotoluene	11.88	91	380731	49.925	ug/l	95
83) tert-Butylbenzene	12.12	119	475095	52.220	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	456172	50.382	ug/l	93
85) sec-Butylbenzene	12.30	105	627850	50.816	ug/l	99
86) p-Isopropyltoluene	12.44	119	521252	51.394	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	223441	48.728	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	225876	51.963	ug/l	97
89) n-Butylbenzene	12.83	91	542054	51.822	ug/l	95
90) Hexachloroethane	12.91	117	125828	52.630	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	208246	48.394	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19086	55.456	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	157239	52.161	ug/l	99
94) Hexachlorobutadiene	14.18	225	102333	54.708	ug/l	98
95) Naphthalene	14.45	128	303898	53.062	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	146546	52.516	ug/l	99

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

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