

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061989.D
 Acq On : 18 Mar 2019 10:55
 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: Mar 19 02:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	280551	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	414133	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	355066	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	184857	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	99746	49.39	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.78%	
35) Dibromofluoromethane	4.09	113	145852	52.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.90%	
50) Toluene-d8	7.53	98	430312	52.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	11.40	95	165018	51.10	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	146420	48.957	ug/l	93
3) Chloromethane	1.09	50	153578	50.531	ug/l #	87
4) Vinyl Chloride	1.13	62	147302	50.112	ug/l	99
5) Bromomethane	1.31	94	105604	51.141	ug/l	99
6) Chloroethane	1.39	64	75448	49.720	ug/l	93
7) Trichlorofluoromethane	1.48	101	198601	50.998	ug/l	100
8) Diethyl Ether	1.62	74	41137	47.517	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.83	101	135521	49.393	ug/l	93
10) Methyl Iodide	1.90	142	244173m	50.846	ug/l	
11) Tert butyl alcohol	2.56	59	25029	202.539	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	116507	49.204	ug/l	96
13) Acrolein	1.99	56	34914	261.717	ug/l	99
14) Allyl chloride	2.09	41	146134	48.348	ug/l	96
15) Acrylonitrile	2.92	53	89947	239.355	ug/l	96
16) Acetone	2.22	43	124604	274.766	ug/l	99
17) Carbon Disulfide	1.81	76	343631	50.180	ug/l #	93
18) Methyl Acetate	2.41	43	50153m	54.057	ug/l	
19) Methyl tert-butyl Ether	2.41	73	205949	48.000	ug/l	97
20) Methylene Chloride	2.17	84	109354m	46.838	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	107446	43.483	ug/l	98
22) Diisopropyl ether	2.78	45	352273	48.454	ug/l	98
23) Vinyl Acetate	3.17	43	718562	250.718	ug/l	97
24) 1,1-Dichloroethane	2.86	63	209588	49.579	ug/l	99
25) 2-Butanone	4.32	43	210001	233.822	ug/l	95
26) 2,2-Dichloropropane	3.58	77	98651	49.474	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	148861	47.796	ug/l	99
28) Bromochloromethane	3.69	49	78976	45.024	ug/l	96
29) Tetrahydrofuran	4.05	42	80600	206.355	ug/l	100
30) Chloroform	3.83	83	237560	49.598	ug/l	94
31) Cyclohexane	3.67	56	202412m	48.871	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	141011	44.330	ug/l	97
36) 1,1-Dichloropropene	4.26	75	192469	51.465	ug/l	99
37) Ethyl Acetate	4.09	43	71727	42.715	ug/l	94
38) Carbon Tetrachloride	3.96	117	142987	52.315	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	226710	51.637	ug/l	94
40) Benzene	4.61	78	501534	50.611	ug/l	99
41) Methacrylonitrile	4.72	41	40085	44.680	ug/l	94
42) 1,2-Dichloroethane	4.92	62	122896	49.818	ug/l	98
43) Isopropyl Acetate	6.93	43	88991	44.792	ug/l #	92
44) Trichloroethene	5.48	130	151564	49.928	ug/l	98
45) 1,2-Dichloropropane	6.21	63	112865	48.126	ug/l	95
46) Dibromomethane	6.06	93	70516	50.545	ug/l	89
47) Bromodichloromethane	6.36	83	162096	49.283	ug/l	98
48) Methyl methacrylate	6.69	41	58903	45.873	ug/l	95
49) 1,4-Dioxane	6.68	88	10717	938.311	ug/l #	75
51) 4-Methyl-2-Pentanone	8.23	43	320575	227.223	ug/l	99
52) Toluene	7.60	92	281381	46.472	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	130949	47.159	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	183519	50.652	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	82410	48.766	ug/l	97
56) Ethyl methacrylate	8.59	69	92007	47.895	ug/l	97
57) 1,3-Dichloropropane	8.83	76	136092	48.278	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	73114	210.130	ug/l	91
59) 2-Hexanone	9.47	43	245604	240.545	ug/l	99
60) Dibromochloromethane	8.69	129	121948	51.981	ug/l	93
61) 1,2-Dibromoethane	8.96	107	85459	47.145	ug/l	99
64) Tetrachloroethene	8.13	164	128945	49.960	ug/l	96
65) Chlorobenzene	9.78	112	326350	49.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	135385	52.835	ug/l	97
67) Ethyl Benzene	9.88	91	565835	49.990	ug/l	98
68) m/p-Xylenes	10.11	106	439727	103.291	ug/l	99
69) o-Xylene	10.69	106	228057	50.064	ug/l	100
70) Styrene	10.76	104	321980	51.020	ug/l	99
71) Bromoform	10.75	173	67150	51.809	ug/l	99
73) Isopropylbenzene	11.11	105	661375	51.787	ug/l	99
74) N-amyl acetate	11.36	43	145114	49.590	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.68	83	100564	47.706	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	67431	45.746	ug/l	96
77) Bromobenzene	11.47	156	155971	52.737	ug/l	92
78) n-propylbenzene	11.58	91	737097	50.194	ug/l	99
79) 2-Chlorotoluene	11.70	91	415863	50.171	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	519751	50.382	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	33291m	51.052	ug/l	
82) 4-Chlorotoluene	11.88	91	406863	48.539	ug/l	96
83) tert-Butylbenzene	12.11	119	567115	52.565	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	507618	49.125	ug/l	97
85) sec-Butylbenzene	12.29	105	715719	49.100	ug/l	98
86) p-Isopropyltoluene	12.44	119	631721	51.937	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	289403	49.788	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	289347	51.717	ug/l	97
89) n-Butylbenzene	12.82	91	585092	51.192	ug/l	97
90) Hexachloroethane	12.90	117	155660	56.078	ug/l	89
91) 1,2-Dichlorobenzene	12.92	146	270456	50.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	17081	50.494	ug/l	66

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93) 1,2,4-Trichlorobenzene	14.19	180	190692	50.865	ug/l	95
94) Hexachlorobutadiene	14.18	225	129092	51.868	ug/l	98
95) Naphthalene	14.44	128	351028	52.060	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	176363	51.133	ug/l	97

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

