

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061925.D
 Acq On : 13 Mar 2019 13:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 14 01:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	293561	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	462411	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	377358	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	195116	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	118370	55.37	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	110.74%	
35) Dibromofluoromethane	4.08	113	166911	51.72	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	103.44%	
50) Toluene-d8	7.54	98	479891	50.03	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.39	95	183480	48.83	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	162849	45.185	ug/l	88
3) Chloromethane	1.09	50	171768	49.177	ug/l	98
4) Vinyl Chloride	1.14	62	164598	49.641	ug/l	97
5) Bromomethane	1.31	94	123657	54.722	ug/l	89
6) Chloroethane	1.38	64	88003	55.835	ug/l	90
7) Trichlorofluoromethane	1.47	101	214885m	53.063	ug/l	
8) Diethyl Ether	1.62	74	47344	51.411	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	149375	54.317	ug/l	96
10) Methyl Iodide	1.90	142	272414m	52.054	ug/l	
11) Tert butyl alcohol	2.55	59	33579	276.730	ug/l	96
12) 1,1-Dichloroethene	1.79	96	135090	53.807	ug/l	94
13) Acrolein	1.99	56	38834	252.572	ug/l	84
14) Allyl chloride	2.08	41	172411	62.334	ug/l	98
15) Acrylonitrile	2.92	53	105747	273.683	ug/l	100
16) Acetone	2.22	43	136928	305.768	ug/l	98
17) Carbon Disulfide	1.81	76	405153m	51.842	ug/l	
18) Methyl Acetate	2.33	43	62916m	69.862	ug/l	
19) Methyl tert-butyl Ether	2.42	73	227521	53.570	ug/l	97
20) Methylene Chloride	2.17	84	127740m	51.513	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	140723	59.554	ug/l	93
22) Diisopropyl ether	2.78	45	402628	55.961	ug/l	100
23) Vinyl Acetate	3.17	43	813473	253.089	ug/l	99
24) 1,1-Dichloroethane	2.85	63	236739	55.050	ug/l	99
25) 2-Butanone	4.31	43	244186	268.071	ug/l	96
26) 2,2-Dichloropropane	3.58	77	111271	57.961	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	174664	53.354	ug/l	97
28) Bromochloromethane	3.70	49	102692	54.781	ug/l #	98
29) Tetrahydrofuran	4.05	42	99763	253.951	ug/l	100
30) Chloroform	3.84	83	260349	53.002	ug/l	99
31) Cyclohexane	3.68	56	232581	51.635	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	158031	52.195	ug/l	98
36) 1,1-Dichloropropene	4.25	75	214764	49.168	ug/l	96
37) Ethyl Acetate	4.09	43	84146	45.896	ug/l	96
38) Carbon Tetrachloride	3.97	117	150808	48.772	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	261739	50.732	ug/l	94
40) Benzene	4.61	78	551787	48.328	ug/l	99
41) Methacrylonitrile	4.72	41	46139	45.933	ug/l	97
42) 1,2-Dichloroethane	4.91	62	135590	47.653	ug/l	97
43) Isopropyl Acetate	6.93	43	105310	46.598	ug/l #	95
44) Trichloroethene	5.48	130	178723	50.370	ug/l	99
45) 1,2-Dichloropropane	6.21	63	139291	51.305	ug/l	93
46) Dibromomethane	6.07	93	81632	47.774	ug/l	99
47) Bromodichloromethane	6.36	83	187243	49.601	ug/l	100
48) Methyl methacrylate	6.69	41	64158	44.857	ug/l	98
49) 1,4-Dioxane	6.69	88	13478	1030.838	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	382066	244.610	ug/l	99
52) Toluene	7.61	92	341571	50.571	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	152004	48.782	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	215797	50.209	ug/l	97
55) 1,1,2-Trichloroethane	8.46	97	95322	48.982	ug/l	97
56) Ethyl methacrylate	8.60	69	108617	49.524	ug/l	96
57) 1,3-Dichloropropane	8.83	76	155111	48.737	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	87802	253.071	ug/l	98
59) 2-Hexanone	9.47	43	276798	245.648	ug/l	100
60) Dibromochloromethane	8.69	129	136806	49.323	ug/l	97
61) 1,2-Dibromoethane	8.97	107	103014	48.136	ug/l	94
64) Tetrachloroethene	8.13	164	148201	51.111	ug/l	98
65) Chlorobenzene	9.77	112	368088	50.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	147149	52.386	ug/l	100
67) Ethyl Benzene	9.87	91	622298	51.787	ug/l	99
68) m/p-Xylenes	10.11	106	479084	104.074	ug/l	95
69) o-Xylene	10.69	106	267055	53.876	ug/l	99
70) Styrene	10.77	104	363056	52.044	ug/l	97
71) Bromoform	10.75	173	73540	49.537	ug/l #	98
73) Isopropylbenzene	11.11	105	726623	54.094	ug/l	100
74) N-amyl acetate	11.35	43	164981	53.350	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	121232	54.302	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	80572	52.878	ug/l	97
77) Bromobenzene	11.48	156	168060	51.986	ug/l	85
78) n-propylbenzene	11.58	91	812836	53.584	ug/l	96
79) 2-Chlorotoluene	11.71	91	465254	53.647	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	583744	54.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	38916m	55.853	ug/l	
82) 4-Chlorotoluene	11.88	91	467941	52.751	ug/l	96
83) tert-Butylbenzene	12.11	119	636125	55.548	ug/l	91
84) 1,2,4-Trimethylbenzene	12.19	105	573379	54.234	ug/l	99
85) sec-Butylbenzene	12.29	105	822415	55.186	ug/l	97
86) p-Isopropyltoluene	12.45	119	684236	54.015	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	317230	51.679	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	313397	52.926	ug/l	97
89) n-Butylbenzene	12.83	91	662774	54.747	ug/l	98
90) Hexachloroethane	12.90	117	167215	54.841	ug/l	91
91) 1,2-Dichlorobenzene	12.93	146	310975	53.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18767	48.528	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.18	180	212429	52.100	ug/l	95
94) Hexachlorobutadiene	14.17	225	142914	50.632	ug/l	97
95) Naphthalene	14.44	128	380549	52.403	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	196360	52.159	ug/l	96

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

