

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061439.D
 Acq On : 17 Jan 2019 12:34
 Operator : VA/AP
 Sample : VF0117SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:42:02 PM

Quant Time: Jan 18 03:44:36 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	194480	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.57	114	344663	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	312504	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	152712	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	113783	47.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.78%	
35) Dibromofluoromethane	4.09	113	136926	50.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.70%	
50) Toluene-d8	7.54	98	389074	52.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.39	95	169812	48.78	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	67978	17.789	ug/l	96
3) Chloromethane	1.09	50	54750	19.540	ug/l	97
4) Vinyl Chloride	1.13	62	50471	20.250	ug/l	97
5) Bromomethane	1.30	94	31831	19.585	ug/l	89
6) Chloroethane	1.39	64	22900	20.735	ug/l	97
7) Trichlorofluoromethane	1.48	101	78877m	16.279	ug/l	
8) Diethyl Ether	1.63	74	12304	19.818	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.82	101	43757	18.794	ug/l	93
10) Methyl Iodide	1.90	142	71186m	19.723	ug/l	
11) Tert butyl alcohol	2.56	59	11123	109.441	ug/l	95
12) 1,1-Dichloroethene	1.79	96	33805	19.544	ug/l	91
13) Acrolein	1.99	56	6833	85.163	ug/l	99
14) Allyl chloride	2.08	41	50161	24.488	ug/l	90
15) Acrylonitrile	2.93	53	27479	105.552	ug/l	89
16) Acetone	2.23	43	55387	114.985	ug/l #	89
17) Carbon Disulfide	1.82	76	105933m	19.642	ug/l	
18) Methyl Acetate	2.33	43	18951	19.838	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	75163	19.384	ug/l	93
20) Methylene Chloride	2.17	84	38215m	22.401	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	32792	17.231	ug/l	93
22) Diisopropyl ether	2.79	45	135673	22.041	ug/l	97
23) Vinyl Acetate	3.18	43	322857	120.918	ug/l	100
24) 1,1-Dichloroethane	2.86	63	81891	21.197	ug/l	98
25) 2-Butanone	4.31	43	97920	122.243	ug/l	92
26) 2,2-Dichloropropane	3.58	77	44963	18.943	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	62409	22.216	ug/l	96
28) Bromochloromethane	3.70	49	38933	22.419	ug/l #	95
29) Tetrahydrofuran	4.05	42	37925	109.954	ug/l	96
30) Chloroform	3.84	83	107043	20.531	ug/l	100
31) Cyclohexane	3.68	56	83967m	21.758	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	61734	16.148	ug/l	91
36) 1,1-Dichloropropene	4.26	75	85820	21.475	ug/l	99
37) Ethyl Acetate	4.08	43	36352	22.757	ug/l	87
38) Carbon Tetrachloride	3.96	117	61361	17.564	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	84686	19.555	ug/l	95
40) Benzene	4.61	78	193018	21.706	ug/l	100
41) Methacrylonitrile	4.72	41	19110	22.483	ug/l	92
42) 1,2-Dichloroethane	4.92	62	62252	19.646	ug/l	97
43) Isopropyl Acetate	6.93	43	41441	20.670	ug/l #	96
44) Trichloroethene	5.48	130	60283	22.099	ug/l	99
45) 1,2-Dichloropropane	6.21	63	50813	21.773	ug/l	98
46) Dibromomethane	6.07	93	31002	19.978	ug/l	92
47) Bromodichloromethane	6.36	83	78932	20.558	ug/l	97
48) Methyl methacrylate	6.70	41	24354	18.090	ug/l	89
49) 1,4-Dioxane	6.69	88	4476	437.235	ug/l	88
51) 4-Methyl-2-Pentanone	8.24	43	153949	104.451	ug/l	97
52) Toluene	7.60	92	114122	19.489	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	62844	20.613	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	81528	21.393	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	35329	21.246	ug/l	90
56) Ethyl methacrylate	8.60	69	38662	19.984	ug/l	95
57) 1,3-Dichloropropane	8.84	76	66041	21.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	25515	139.443	ug/l	96
59) 2-Hexanone	9.47	43	125044	121.665	ug/l	97
60) Dibromochloromethane	8.70	129	47128	19.386	ug/l	96
61) 1,2-Dibromoethane	8.97	107	38001	19.962	ug/l	97
64) Tetrachloroethene	8.14	164	48363	20.579	ug/l	94
65) Chlorobenzene	9.77	112	131482	20.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	54054	21.352	ug/l	98
67) Ethyl Benzene	9.88	91	243903	21.007	ug/l	99
68) m/p-Xylenes	10.11	106	165623	39.660	ug/l	98
69) o-Xylene	10.69	106	96556	21.333	ug/l	97
70) Styrene	10.77	104	133515	21.550	ug/l	96
71) Bromoform	10.75	173	24369	21.424	ug/l #	98
73) Isopropylbenzene	11.11	105	288263	23.209	ug/l	97
74) N-amyl acetate	11.35	43	75286	25.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	49395	22.324	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	35635	22.413	ug/l	99
77) Bromobenzene	11.48	156	58059	22.134	ug/l	95
78) n-propylbenzene	11.58	91	338160	20.930	ug/l	97
79) 2-Chlorotoluene	11.71	91	188754	21.903	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	225513	22.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	15519m	22.454	ug/l	
82) 4-Chlorotoluene	11.89	91	188650	21.694	ug/l	99
83) tert-Butylbenzene	12.11	119	239514	23.087	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	227358	22.021	ug/l	95
85) sec-Butylbenzene	12.29	105	319925	22.708	ug/l	95
86) p-Isopropyltoluene	12.45	119	270122	23.356	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	115677	21.014	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	105335	21.251	ug/l	98
89) n-Butylbenzene	12.83	91	275529	23.100	ug/l	95
90) Hexachloroethane	12.90	117	62456	22.909	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	104926	21.383	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7859	20.025	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	72398	21.062	ug/l	100
94) Hexachlorobutadiene	14.17	225	43645	20.462	ug/l	99
95) Naphthalene	14.44	128	124285	19.031	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	63537	19.968	ug/l	97

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

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