

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062032.D
 Acq On : 20 Mar 2019 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:51:23 PM

Quant Time: Mar 22 05:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	279733	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	420235	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	362761	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	192696	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	84050	41.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	83.48%	
35) Dibromofluoromethane	4.08	113	131437	46.58	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	7.52	98	364690	44.21	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.39	95	148941	45.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	121522	40.751	ug/l	99
3) Chloromethane	1.11	50	126443	41.724	ug/l #	89
4) Vinyl Chloride	1.14	62	129872	44.311	ug/l	99
5) Bromomethane	1.32	94	92179	44.770	ug/l	96
6) Chloroethane	1.37	64	65946	43.585	ug/l	94
7) Trichlorofluoromethane	1.48	101	174957	45.058	ug/l	90
8) Diethyl Ether	1.62	74	37561	43.514	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	123374	45.097	ug/l	93
10) Methyl Iodide	1.88	142	220720m	46.085	ug/l	
11) Tert butyl alcohol	2.56	59	22540	182.931	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	101879	43.152	ug/l	95
13) Acrolein	1.99	56	22273	167.447	ug/l	91
14) Allyl chloride	2.08	41	147540	48.956	ug/l	93
15) Acrylonitrile	2.92	53	79316	211.683	ug/l	98
16) Acetone	2.23	43	130341	288.258	ug/l	96
17) Carbon Disulfide	1.82	76	283068m	41.477	ug/l	
18) Methyl Acetate	2.34	43	44631	43.556	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	180870	42.278	ug/l	98
20) Methylene Chloride	2.17	84	98087m	41.576	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	107992	43.831	ug/l	97
22) Diisopropyl ether	2.78	45	300193	41.411	ug/l	98
23) Vinyl Acetate	3.17	43	625252	218.799	ug/l	97
24) 1,1-Dichloroethane	2.85	63	181363	43.028	ug/l	99
25) 2-Butanone	4.31	43	189405	211.506	ug/l	95
26) 2,2-Dichloropropane	3.57	77	89164	44.847	ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	133795	43.085	ug/l	100
28) Bromochloromethane	3.70	49	82448	47.141	ug/l	94
29) Tetrahydrofuran	4.04	42	79144	203.220	ug/l	95
30) Chloroform	3.84	83	204188	42.755	ug/l	95
31) Cyclohexane	3.68	56	172821	41.504	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	152534	48.093	ug/l	96
36) 1,1-Dichloropropene	4.25	75	162943	42.937	ug/l	96
37) Ethyl Acetate	4.08	43	64353	37.767	ug/l	87
38) Carbon Tetrachloride	3.97	117	131799	47.522	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	184149	41.334	ug/l	95
40) Benzene	4.61	78	426638	42.428	ug/l	99
41) Methacrylonitrile	4.71	41	38134	41.888	ug/l	94
42) 1,2-Dichloroethane	4.92	62	111966	44.729	ug/l	98
43) Isopropyl Acetate	6.93	43	80842	40.099	ug/l	96
44) Trichloroethene	5.47	130	133445	43.321	ug/l	99
45) 1,2-Dichloropropane	6.21	63	105196	44.205	ug/l	98
46) Dibromomethane	6.06	93	64728	45.723	ug/l	94
47) Bromodichloromethane	6.36	83	144850	43.400	ug/l #	98
48) Methyl methacrylate	6.70	41	51398	39.447	ug/l	88
49) 1,4-Dioxane	6.69	88	9040	779.991	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	289119	201.951	ug/l	97
52) Toluene	7.59	92	258797	42.122	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	120609	42.804	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	154218	41.946	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	79939	46.617	ug/l	95
56) Ethyl methacrylate	8.60	69	84163	43.176	ug/l	99
57) 1,3-Dichloropropane	8.83	76	127723	44.651	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	65740	186.194	ug/l	94
59) 2-Hexanone	9.47	43	228932	220.960	ug/l	99
60) Dibromochloromethane	8.69	129	111139	46.686	ug/l	95
61) 1,2-Dibromoethane	8.96	107	79275	43.099	ug/l	97
64) Tetrachloroethene	8.13	164	118239	44.840	ug/l	95
65) Chlorobenzene	9.77	112	297304	44.019	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	121024	46.228	ug/l	97
67) Ethyl Benzene	9.87	91	481962	41.677	ug/l	100
68) m/p-Xylenes	10.11	106	365899	84.126	ug/l	100
69) o-Xylene	10.69	106	193515	41.580	ug/l	98
70) Styrene	10.77	104	294175	45.625	ug/l	97
71) Bromoform	10.75	173	60904	45.993	ug/l #	98
73) Isopropylbenzene	11.10	105	595680	44.746	ug/l	100
74) N-amyl acetate	11.35	43	130740	42.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	95807	43.600	ug/l	93
76) 1,2,3-Trichloropropane	11.77	75	64995	42.299	ug/l	95
77) Bromobenzene	11.48	156	135771	44.039	ug/l	96
78) n-propylbenzene	11.58	91	642742	41.989	ug/l	99
79) 2-Chlorotoluene	11.70	91	382772	44.300	ug/l	98
80) 1,3,5-Trimethylbenzene	11.80	105	456577	42.458	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	31665m	46.583	ug/l	
82) 4-Chlorotoluene	11.88	91	378803	43.353	ug/l	99
83) tert-Butylbenzene	12.11	119	513145	45.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	466341	43.295	ug/l	99
85) sec-Butylbenzene	12.29	105	675445	44.452	ug/l	98
86) p-Isopropyltoluene	12.45	119	575135	45.361	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	272551	44.981	ug/l	95
88) 1,4-Dichlorobenzene	12.54	146	257074	44.079	ug/l	98
89) n-Butylbenzene	12.83	91	541566	45.456	ug/l	99
90) Hexachloroethane	12.90	117	139483	48.205	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	259633	46.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	14608	41.427	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	181470	46.436	ug/l	97
94) Hexachlorobutadiene	14.17	225	118347	45.616	ug/l	98
95) Naphthalene	14.44	128	296246	42.148	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	168971	46.997	ug/l	97

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

