

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065245.D
 Acq On : 19 Feb 2020 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 5:25:46 PM

Quant Time: Feb 20 04:54:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	524544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	721346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233487	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.92	113	239225	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	928266	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	302592	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221977	50.455	ug/l	96
3) Chloromethane	2.21	50	269935	48.204	ug/l	100
4) Vinyl Chloride	2.35	62	261026	45.840	ug/l	98
5) Bromomethane	2.74	94	145880	42.371	ug/l	98
6) Chloroethane	2.91	64	160577	46.198	ug/l	98
7) Trichlorofluoromethane	3.26	101	367579	45.088	ug/l	98
8) Diethyl Ether	3.70	74	116754	47.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	237116	46.057	ug/l	99
10) Methyl Iodide	4.29	142	324884	60.778	ug/l	99
11) Tert butyl alcohol	5.26	59	64571	228.991	ug/l	100
12) 1,1-Dichloroethene	4.05	96	230979	47.494	ug/l	98
13) Acrolein	3.93	56	100622	296.792	ug/l	98
14) Allyl chloride	4.71	41	381641	48.324	ug/l	98
15) Acrylonitrile	5.43	53	263749	242.083	ug/l	99
16) Acetone	4.17	43	246709	213.876	ug/l	94
17) Carbon Disulfide	4.40	76	751074	46.064	ug/l	100
18) Methyl Acetate	4.72	43	127260	49.053	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	506944	49.986	ug/l	98
20) Methylene Chloride	4.96	84	265146	51.799	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	265146	47.958	ug/l	95
22) Diisopropyl ether	6.37	45	762899	50.109	ug/l	97
23) Vinyl Acetate	6.31	43	2138815	254.823	ug/l	99
24) 1,1-Dichloroethane	6.26	63	445783	47.206	ug/l	98
25) 2-Butanone	7.22	43	336819	230.785	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363483	44.363	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	287917	49.164	ug/l	97
28) Bromochloromethane	7.55	49	178414	50.925	ug/l	98
29) Tetrahydrofuran	7.57	42	214573	250.926	ug/l	99
30) Chloroform	7.71	83	447016	46.986	ug/l	100
31) Cyclohexane	7.98	56	417728	45.022	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	395092	46.415	ug/l	99
36) 1,1-Dichloropropene	8.11	75	358981	47.663	ug/l	99
37) Ethyl Acetate	7.30	43	153868	48.869	ug/l	97
38) Carbon Tetrachloride	8.10	117	354946	46.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	438264	49.496	ug/l	98
40) Benzene	8.36	78	1037908	48.822	ug/l	99
41) Methacrylonitrile	7.53	41	96322	52.983	ug/l	91
42) 1,2-Dichloroethane	8.43	62	280767	48.041	ug/l	100
43) Isopropyl Acetate	8.46	43	275040	48.037	ug/l	99
44) Trichloroethene	9.11	130	286265	48.578	ug/l	98
45) 1,2-Dichloropropane	9.39	63	254425	48.130	ug/l	98
46) Dibromomethane	9.48	93	134043	49.283	ug/l	98
47) Bromodichloromethane	9.67	83	343778	47.962	ug/l	97
48) Methyl methacrylate	9.46	41	134655	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	32973	1033.648	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	729818	250.961	ug/l	100
52) Toluene	10.41	92	662877	50.375	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	325724	49.026	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395140	49.253	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	184485	48.191	ug/l	97
56) Ethyl methacrylate	10.67	69	230964	52.271	ug/l	100
57) 1,3-Dichloropropane	10.95	76	323108	49.591	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	320370	229.977	ug/l	100
59) 2-Hexanone	10.99	43	509286	244.645	ug/l	96
60) Dibromochloromethane	11.14	129	237202	48.411	ug/l	100
61) 1,2-Dibromoethane	11.25	107	179249	49.454	ug/l	100
64) Tetrachloroethene	10.88	164	243643	47.623	ug/l	94
65) Chlorobenzene	11.67	112	690318	47.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	255823	47.358	ug/l	98
67) Ethyl Benzene	11.75	91	1236918	48.789	ug/l	100
68) m/p-Xylenes	11.86	106	959672	98.939	ug/l	98
69) o-Xylene	12.18	106	429478	49.978	ug/l	99
70) Styrene	12.20	104	775977	50.860	ug/l	100
71) Bromoform	12.37	173	139977	46.697	ug/l #	100
73) Isopropylbenzene	12.48	105	1165514	50.320	ug/l	100
74) N-amyl acetate	12.30	43	251327	48.832	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	200819	48.040	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126682m	42.558	ug/l	
77) Bromobenzene	12.77	156	285549	49.647	ug/l	99
78) n-propylbenzene	12.83	91	1391684	49.999	ug/l	99
79) 2-Chlorotoluene	12.91	91	773928	49.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	974074	51.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	63861	46.322	ug/l	99
82) 4-Chlorotoluene	13.01	91	824949	49.833	ug/l	100
83) tert-Butylbenzene	13.23	119	829746	51.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	983685	51.517	ug/l	99
85) sec-Butylbenzene	13.41	105	1144471	49.675	ug/l	100
86) p-Isopropyltoluene	13.53	119	1072923	50.924	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	543879	48.914	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	537266	48.958	ug/l	100
89) n-Butylbenzene	13.85	91	987232	50.849	ug/l	99
90) Hexachloroethane	14.12	117	198335	46.361	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	471654	49.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29664	46.048	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	327439	52.433	ug/l	98
94) Hexachlorobutadiene	15.28	225	202926	50.655	ug/l	99
95) Naphthalene	15.41	128	549652	54.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	286731	52.571	ug/l	99

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

