

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065139.D
 Acq On : 10 Feb 2020 18:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:09:35 PM

Quant Time: Feb 11 08:36:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	411203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	609364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	552903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197685	56.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.12%	
35) Dibromofluoromethane	7.92	113	199819	58.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.54%	
50) Toluene-d8	10.34	98	784698	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
62) 4-Bromofluorobenzene	12.64	95	246853	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	188114	54.974	ug/l	99
3) Chloromethane	2.21	50	235715	58.518	ug/l	97
4) Vinyl Chloride	2.35	62	251059	58.934	ug/l	97
5) Bromomethane	2.77	94	153538	55.586	ug/l	100
6) Chloroethane	2.93	64	152959	57.884	ug/l	97
7) Trichlorofluoromethane	3.27	101	359066	57.918	ug/l	97
8) Diethyl Ether	3.71	74	102533	57.611	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210779	55.615	ug/l	99
10) Methyl Iodide	4.30	142	238884	55.223	ug/l	98
11) Tert butyl alcohol	5.26	59	60174	281.803	ug/l	96
12) 1,1-Dichloroethene	4.06	96	199134	54.862	ug/l	97
13) Acrolein	3.93	56	71207	271.121	ug/l	100
14) Allyl chloride	4.71	41	335080	55.545	ug/l	99
15) Acrylonitrile	5.43	53	229633	295.123	ug/l	100
16) Acetone	4.16	43	266126	304.569	ug/l	99
17) Carbon Disulfide	4.40	76	649337	55.716	ug/l	99
18) Methyl Acetate	4.73	43	105802	57.955	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	460592	57.383	ug/l	95
20) Methylene Chloride	4.96	84	230596	60.786	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	235133	57.257	ug/l	96
22) Diisopropyl ether	6.37	45	683204	60.041	ug/l	98
23) Vinyl Acetate	6.31	43	1748749	275.724	ug/l	100
24) 1,1-Dichloroethane	6.27	63	401438	58.285	ug/l	97
25) 2-Butanone	7.23	43	313537	300.816	ug/l	100
26) 2,2-Dichloropropane	7.21	77	345813	56.017	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	251086	57.552	ug/l	99
28) Bromochloromethane	7.55	49	160609	61.516	ug/l	97
29) Tetrahydrofuran	7.57	42	188519	299.090	ug/l	98
30) Chloroform	7.71	83	409341	59.689	ug/l	98
31) Cyclohexane	7.99	56	368054	52.939	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	362407	56.730	ug/l	99
36) 1,1-Dichloropropene	8.11	75	323149	57.031	ug/l	99
37) Ethyl Acetate	7.30	43	132888	57.407	ug/l	98
38) Carbon Tetrachloride	8.10	117	331869	57.347	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	383936	54.896	ug/l	99
40) Benzene	8.36	78	915342	58.500	ug/l	100
41) Methacrylonitrile	7.53	41	62190m	48.765	ug/l	
42) 1,2-Dichloroethane	8.43	62	259834	58.280	ug/l	99
43) Isopropyl Acetate	8.46	43	256829	58.000	ug/l	99
44) Trichloroethene	9.11	130	256596	57.133	ug/l	100
45) 1,2-Dichloropropane	9.39	63	228022	60.781	ug/l	96
46) Dibromomethane	9.48	93	117618	59.664	ug/l	99
47) Bromodichloromethane	9.67	83	311895	60.046	ug/l	98
48) Methyl methacrylate	9.46	41	121850	57.185	ug/l	98
49) 1,4-Dioxane	9.47	88	27029	1157.603	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	654828	300.437	ug/l	98
52) Toluene	10.41	92	588869	58.966	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	295215	58.374	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	360077	59.531	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	164557	60.857	ug/l	98
56) Ethyl methacrylate	10.67	69	205692	60.121	ug/l	98
57) 1,3-Dichloropropane	10.95	76	287181	60.399	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	297643	270.845	ug/l	98
59) 2-Hexanone	10.99	43	489716	317.204	ug/l	99
60) Dibromochloromethane	11.14	129	212739	60.742	ug/l	100
61) 1,2-Dibromoethane	11.25	107	153586	58.130	ug/l	99
64) Tetrachloroethene	10.88	164	279624	70.383	ug/l	98
65) Chlorobenzene	11.68	112	610537	57.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	231835	58.738	ug/l	99
67) Ethyl Benzene	11.75	91	1118635	57.576	ug/l	98
68) m/p-Xylenes	11.86	106	859479	115.903	ug/l	99
69) o-Xylene	12.18	106	388881	58.235	ug/l	99
70) Styrene	12.20	104	693194	59.727	ug/l	99
71) Bromoform	12.37	173	124781	58.736	ug/l #	99
73) Isopropylbenzene	12.48	105	1028465	55.326	ug/l	99
74) N-amyl acetate	12.30	43	228824	56.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	169253	57.852	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	92048m	44.891	ug/l	
77) Bromobenzene	12.77	156	247633	55.291	ug/l	98
78) n-propylbenzene	12.83	91	1226208	56.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	684710	56.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	856320	56.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59161	57.702	ug/l	97
82) 4-Chlorotoluene	13.01	91	721595	56.621	ug/l	100
83) tert-Butylbenzene	13.23	119	730838	55.703	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	858261	56.846	ug/l	99
85) sec-Butylbenzene	13.41	105	1006229	56.152	ug/l	100
86) p-Isopropyltoluene	13.53	119	948658	56.978	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	482345	57.521	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	470081	56.324	ug/l	99
89) n-Butylbenzene	13.85	91	870417	56.640	ug/l	99
90) Hexachloroethane	14.12	117	179884	57.057	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	405588	56.469	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26457	55.397	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	269160	52.431	ug/l	99
94) Hexachlorobutadiene	15.28	225	161783	51.254	ug/l	98
95) Naphthalene	15.41	128	465046	54.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	234375	53.375	ug/l	99

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

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