

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065078.D
 Acq On : 06 Feb 2020 10:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:28 PM

Quant Time: Feb 07 06:14:19 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	7.98	168	467510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219657	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	7.92	113	221307	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.34	98	868164	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
62) 4-Bromofluorobenzene	12.64	95	268415	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206964	53.198	ug/l	94
3) Chloromethane	2.21	50	249799	54.545	ug/l	94
4) Vinyl Chloride	2.35	62	272799	56.324	ug/l	99
5) Bromomethane	2.77	94	165233	52.615	ug/l	96
6) Chloroethane	2.93	64	166629	55.462	ug/l	99
7) Trichlorofluoromethane	3.27	101	399274	56.647	ug/l	98
8) Diethyl Ether	3.71	74	97530	48.200	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222130	51.551	ug/l	98
10) Methyl Iodide	4.30	142	243051	49.419	ug/l	98
11) Tert butyl alcohol	5.26	59	52403	215.853	ug/l	99
12) 1,1-Dichloroethene	4.06	96	207388	50.254	ug/l	92
13) Acrolein	3.92	56	74301	248.829	ug/l	100
14) Allyl chloride	4.71	41	344540	50.234	ug/l	98
15) Acrylonitrile	5.43	53	213473	241.311	ug/l	99
16) Acetone	4.17	43	257025	258.725	ug/l	100
17) Carbon Disulfide	4.40	76	698350	52.705	ug/l	99
18) Methyl Acetate	4.72	43	97335	46.896	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	438245	48.023	ug/l	99
20) Methylene Chloride	4.97	84	224223	51.368	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	238714	51.128	ug/l	97
22) Diisopropyl ether	6.37	45	662372	51.200	ug/l	96
23) Vinyl Acetate	6.31	43	1825588	253.172	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405052	51.727	ug/l	99
25) 2-Butanone	7.22	43	292302	246.666	ug/l	98
26) 2,2-Dichloropropane	7.21	77	372811	53.117	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	250690	50.540	ug/l	99
28) Bromochloromethane	7.55	49	167689	56.492	ug/l	98
29) Tetrahydrofuran	7.57	42	175946	245.522	ug/l	97
30) Chloroform	7.71	83	408308	52.367	ug/l	93
31) Cyclohexane	7.98	56	392396	49.642	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	381259	52.493	ug/l	99
36) 1,1-Dichloropropene	8.11	75	337127	53.381	ug/l	99
37) Ethyl Acetate	7.30	43	125446	48.620	ug/l	99
38) Carbon Tetrachloride	8.10	117	344884	53.469	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	416734	53.459	ug/l	96
40) Benzene	8.36	78	928039	53.213	ug/l	97
41) Methacrylonitrile	7.53	41	71069	49.998	ug/l	99
42) 1,2-Dichloroethane	8.43	62	256969	51.711	ug/l	99
43) Isopropyl Acetate	8.46	43	237931	48.207	ug/l	99
44) Trichloroethene	9.11	130	256298	51.199	ug/l	98
45) 1,2-Dichloropropane	9.39	63	222760	53.273	ug/l	95
46) Dibromomethane	9.48	93	114888	52.287	ug/l	96
47) Bromodichloromethane	9.67	83	307124	53.048	ug/l	99
48) Methyl methacrylate	9.46	41	113097	47.620	ug/l	99
49) 1,4-Dioxane	9.47	88	25651	985.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	601076	247.421	ug/l	99
52) Toluene	10.41	92	586445	52.686	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	284696	50.506	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	349821	51.889	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	151926	50.409	ug/l	97
56) Ethyl methacrylate	10.67	69	189025	49.569	ug/l	98
57) 1,3-Dichloropropane	10.96	76	269552	50.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293369	237.129	ug/l	100
59) 2-Hexanone	10.99	43	457497	265.867	ug/l	100
60) Dibromochloromethane	11.14	129	203837	52.216	ug/l	99
61) 1,2-Dibromoethane	11.26	107	148793	50.526	ug/l	99
64) Tetrachloroethene	10.88	164	230148	53.015	ug/l	98
65) Chlorobenzene	11.68	112	602867	51.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	223040	51.716	ug/l	99
67) Ethyl Benzene	11.75	91	1131659	53.305	ug/l	98
68) m/p-Xylenes	11.86	106	876528	108.174	ug/l	100
69) o-Xylene	12.19	106	386257	52.935	ug/l	98
70) Styrene	12.20	104	679301	53.564	ug/l	100
71) Bromoform	12.37	173	117475	50.606	ug/l	# 100
73) Isopropylbenzene	12.49	105	1062700	52.664	ug/l	100
74) N-amyl acetate	12.30	43	213153	48.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	156478	49.271	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	116234m	52.219	ug/l	
77) Bromobenzene	12.77	156	244606	50.312	ug/l	98
78) n-propylbenzene	12.83	91	1269241	53.710	ug/l	99
79) 2-Chlorotoluene	12.92	91	675320	51.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	869674	52.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	54295	48.783	ug/l	100
82) 4-Chlorotoluene	13.01	91	714259	51.630	ug/l	99
83) tert-Butylbenzene	13.23	119	752023	52.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	873054	53.269	ug/l	99
85) sec-Butylbenzene	13.41	105	1046069	53.776	ug/l	100
86) p-Isopropyltoluene	13.53	119	982575	54.365	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	474054	52.078	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	465228	51.350	ug/l	98
89) n-Butylbenzene	13.86	91	899225	53.904	ug/l	99
90) Hexachloroethane	14.13	117	181611	53.065	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	398265	51.080	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24343	46.955	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	269618	48.382	ug/l	99
94) Hexachlorobutadiene	15.28	225	177135	51.695	ug/l	99
95) Naphthalene	15.42	128	437230	47.205	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236132	49.538	ug/l	99

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

