

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065483.D
 Acq On : 12 Mar 2020 10:17
 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
 3/16/2020 12:06:59 PM

Quant Time: Mar 13 04:36:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202687	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.92	113	216529	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.34	98	848782	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.64	95	266215	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171423	40.792	ug/l	100
3) Chloromethane	2.21	50	212139	41.813	ug/l	96
4) Vinyl Chloride	2.36	62	225015	44.965	ug/l	96
5) Bromomethane	2.78	94	137405	48.897	ug/l	99
6) Chloroethane	2.93	64	138953	45.337	ug/l	100
7) Trichlorofluoromethane	3.28	101	334013	45.298	ug/l	99
8) Diethyl Ether	3.71	74	93659	42.712	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	217088	45.712	ug/l	99
10) Methyl Iodide	4.30	142	237718	48.182	ug/l	99
11) Tert butyl alcohol	5.24	59	51146	212.588	ug/l	99
12) 1,1-Dichloroethene	4.07	96	201502	44.311	ug/l	95
13) Acrolein	3.93	56	94288	227.243	ug/l	98
14) Allyl chloride	4.71	41	302478	43.300	ug/l	99
15) Acrylonitrile	5.43	53	209667	219.784	ug/l	99
16) Acetone	4.17	43	224674	264.861	ug/l	100
17) Carbon Disulfide	4.40	76	646600	42.697	ug/l	99
18) Methyl Acetate	4.72	43	88430	41.096	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	389620	44.553	ug/l	97
20) Methylene Chloride	4.96	84	222013	48.061	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	235051	46.465	ug/l	96
22) Diisopropyl ether	6.37	45	617240	47.531	ug/l	97
23) Vinyl Acetate	6.31	43	1680518	233.065	ug/l	100
24) 1,1-Dichloroethane	6.27	63	381094	45.753	ug/l	99
25) 2-Butanone	7.22	43	262360	226.642	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343525	47.194	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	241786	46.761	ug/l	99
28) Bromochloromethane	7.55	49	151417	45.436	ug/l	98
29) Tetrahydrofuran	7.57	42	159199	215.351	ug/l	98
30) Chloroform	7.71	83	392349	47.127	ug/l	99
31) Cyclohexane	7.98	56	363125	43.598	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	359119	46.677	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320602	48.777	ug/l	99
37) Ethyl Acetate	7.30	43	115133	45.319	ug/l	99
38) Carbon Tetrachloride	8.10	117	330407	48.477	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	385156	48.518	ug/l	97
40) Benzene	8.36	78	906384	49.321	ug/l	100
41) Methacrylonitrile	7.53	41	76156	56.683	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	232133	48.373	ug/l	100
43) Isopropyl Acetate	8.46	43	205736	43.859	ug/l	97
44) Trichloroethene	9.11	130	253782	48.900	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216972	48.741	ug/l	97
46) Dibromomethane	9.48	93	112463	48.705	ug/l	99
47) Bromodichloromethane	9.67	83	294854	49.084	ug/l	99
48) Methyl methacrylate	9.46	41	110698	50.169	ug/l	92
49) 1,4-Dioxane	9.47	88	23637	894.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	558401	236.558	ug/l	100
52) Toluene	10.41	92	586009	50.618	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	270753	48.231	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	331641	48.807	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	157237	48.079	ug/l	99
56) Ethyl methacrylate	10.67	69	175995	47.736	ug/l	99
57) 1,3-Dichloropropane	10.96	76	263214	47.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	257583	223.768	ug/l	99
59) 2-Hexanone	10.99	43	410002	250.911	ug/l	99
60) Dibromochloromethane	11.14	129	207403	49.475	ug/l	100
61) 1,2-Dibromoethane	11.26	107	148896	47.731	ug/l	100
64) Tetrachloroethene	10.88	164	220221	49.185	ug/l	98
65) Chlorobenzene	11.68	112	602639	48.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	227980	50.624	ug/l	96
67) Ethyl Benzene	11.75	91	1081642	50.626	ug/l	99
68) m/p-Xylenes	11.86	106	841701	102.170	ug/l	99
69) o-Xylene	12.19	106	370430	51.117	ug/l	100
70) Styrene	12.20	104	652667	51.174	ug/l	99
71) Bromoform	12.37	173	120566	47.663	ug/l #	98
73) Isopropylbenzene	12.48	105	1030711	50.159	ug/l	100
74) N-amyl acetate	12.30	43	188320	44.765	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	164951	45.668	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	114225m	46.335	ug/l	
77) Bromobenzene	12.77	156	249701	48.910	ug/l	97
78) n-propylbenzene	12.83	91	1242872	50.977	ug/l	100
79) 2-Chlorotoluene	12.91	91	672195	48.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	863929	51.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53178	45.523	ug/l	98
82) 4-Chlorotoluene	13.01	91	715220	49.533	ug/l	100
83) tert-Butylbenzene	13.23	119	744490	52.092	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	847163	50.874	ug/l	100
85) sec-Butylbenzene	13.41	105	1026967	50.340	ug/l	99
86) p-Isopropyltoluene	13.53	119	954554	51.278	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	480498	48.954	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	467813	47.913	ug/l	100
89) n-Butylbenzene	13.86	91	871078	50.615	ug/l	99
90) Hexachloroethane	14.13	117	187180	48.826	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	406368	48.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23650	42.993	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	273538	48.317	ug/l	99
94) Hexachlorobutadiene	15.28	225	184844	49.691	ug/l	99
95) Naphthalene	15.41	128	424020	42.726	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	237103	48.467	ug/l	98

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

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