

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067354.D
 Acq On : 22 Oct 2020 10:07
 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
 10/23/2020 2:11:56 PM

Quant Time: Oct 22 14:59:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	151826	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
35) Dibromofluoromethane	7.92	113	158504	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.34	98	574681	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.64	95	201472	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121159	44.997	ug/l	100
3) Chloromethane	2.21	50	86716	41.475	ug/l	99
4) Vinyl Chloride	2.35	62	99609	43.420	ug/l	98
5) Bromomethane	2.77	94	78431	49.088	ug/l	100
6) Chloroethane	2.92	64	63926	44.745	ug/l	90
7) Trichlorofluoromethane	3.27	101	265343	45.934	ug/l	100
8) Diethyl Ether	3.71	74	58620	44.347	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	141132	45.985	ug/l	99
10) Methyl Iodide	4.30	142	130969	46.260	ug/l	97
11) Tert butyl alcohol	5.21	59	34133	185.487	ug/l	96
12) 1,1-Dichloroethene	4.07	96	126170	46.016	ug/l	95
13) Acrolein	3.92	56	44689	226.855	ug/l	99
14) Allyl chloride	4.71	41	140023	44.594	ug/l	98
15) Acrylonitrile	5.43	53	99130	224.752	ug/l	98
16) Acetone	4.16	43	122102	261.948	ug/l	100
17) Carbon Disulfide	4.41	76	333807	42.706	ug/l	97
18) Methyl Acetate	4.72	43	46928	44.139	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	254394	46.661	ug/l	97
20) Methylene Chloride	4.97	84	137492	45.659	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	144399	45.765	ug/l	98
22) Diisopropyl ether	6.36	45	272312	47.475	ug/l	96
23) Vinyl Acetate	6.31	43	797897	244.508	ug/l	100
24) 1,1-Dichloroethane	6.27	63	226226	46.075	ug/l	100
25) 2-Butanone	7.21	43	118713	223.421	ug/l	96
26) 2,2-Dichloropropane	7.21	77	243669	48.148	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	162004	46.848	ug/l	100
28) Bromochloromethane	7.55	49	82367	49.182	ug/l #	100
29) Tetrahydrofuran	7.56	42	69399	234.962	ug/l	97
30) Chloroform	7.71	83	277842	47.369	ug/l	92
31) Cyclohexane	7.99	56	171578	44.757	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	272881	47.416	ug/l	98
36) 1,1-Dichloropropene	8.11	75	197517	49.120	ug/l	98
37) Ethyl Acetate	7.29	43	57324	48.453	ug/l	95
38) Carbon Tetrachloride	8.10	117	261164	50.816	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	212335	50.510	ug/l	99
40) Benzene	8.35	78	543550	49.272	ug/l	96
41) Methacrylonitrile	7.53	41	34338m	53.710	ug/l	
42) 1,2-Dichloroethane	8.43	62	171528	49.685	ug/l	100
43) Isopropyl Acetate	8.45	43	112601	47.965	ug/l	99
44) Trichloroethene	9.11	130	176825	50.063	ug/l	96
45) 1,2-Dichloropropane	9.39	63	122162	47.782	ug/l	97
46) Dibromomethane	9.48	93	80034	50.244	ug/l	93
47) Bromodichloromethane	9.67	83	216692	50.774	ug/l	98
48) Methyl methacrylate	9.46	41	53786	47.146	ug/l	99
49) 1,4-Dioxane	9.46	88	14855	962.522	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	286043	244.295	ug/l	100
52) Toluene	10.41	92	393377	52.355	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	190229	50.741	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	216284	49.295	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	104759	48.228	ug/l	97
56) Ethyl methacrylate	10.66	69	113277	50.283	ug/l	98
57) 1,3-Dichloropropane	10.95	76	171444	49.596	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	293252	253.751	ug/l	98
59) 2-Hexanone	10.99	43	208085	260.072	ug/l	99
60) Dibromochloromethane	11.14	129	150807	47.606	ug/l	94
61) 1,2-Dibromoethane	11.25	107	101397	47.350	ug/l	97
64) Tetrachloroethene	10.88	164	154129	49.023	ug/l	97
65) Chlorobenzene	11.67	112	416187	50.015	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	171536	51.867	ug/l	97
67) Ethyl Benzene	11.75	91	735142	51.537	ug/l	99
68) m/p-Xylenes	11.86	106	570050	103.779	ug/l	98
69) o-Xylene	12.18	106	257211	50.567	ug/l	99
70) Styrene	12.20	104	454180	51.870	ug/l	100
71) Bromoform	12.37	173	87983	49.520	ug/l #	100
73) Isopropylbenzene	12.48	105	739174	53.195	ug/l	99
74) N-amyl acetate	12.29	43	104281	49.689	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	103252	48.496	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	60843m	40.095	ug/l	
77) Bromobenzene	12.77	156	176129	50.842	ug/l	99
78) n-propylbenzene	12.83	91	848158	52.682	ug/l	100
79) 2-Chlorotoluene	12.91	91	478447	51.245	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	632643	52.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32157	48.055	ug/l	97
82) 4-Chlorotoluene	13.01	91	513893	51.860	ug/l	99
83) tert-Butylbenzene	13.23	119	551471	54.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	625242	52.389	ug/l	100
85) sec-Butylbenzene	13.41	105	733268	52.392	ug/l	100
86) p-Isopropyltoluene	13.52	119	695279	52.631	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	335733	50.350	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	333028	50.411	ug/l	99
89) n-Butylbenzene	13.85	91	615919	52.998	ug/l	100
90) Hexachloroethane	14.12	117	119143	51.683	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	290149	49.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17821	46.073	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205329	52.281	ug/l	99
94) Hexachlorobutadiene	15.27	225	131989	54.119	ug/l	99
95) Naphthalene	15.41	128	332764	51.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176183	51.927	ug/l	99

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

