

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065923.D
 Acq On : 07 Jul 2020 15:01
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:31 PM

Quant Time: Jul 08 09:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	432514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	649404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	595714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	189145	49.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.70%	
35) Dibromofluoromethane	7.91	113	202247	50.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.96%	
50) Toluene-d8	10.34	98	743034	50.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.64	95	262758	52.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	174342	45.342	ug/l	100
3) Chloromethane	2.20	50	170916	44.840	ug/l	100
4) Vinyl Chloride	2.35	62	164609	47.033	ug/l	100
5) Bromomethane	2.77	94	104264	47.030	ug/l	100
6) Chloroethane	2.93	64	100313	47.948	ug/l	100
7) Trichlorofluoromethane	3.27	101	355940	47.452	ug/l	100
8) Diethyl Ether	3.71	74	98088	47.665	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	218053	48.599	ug/l	100
10) Methyl Iodide	4.30	142	228062	53.521	ug/l	100
11) Tert butyl alcohol	5.22	59	57948	213.410	ug/l	100
12) 1,1-Dichloroethene	4.07	96	201647	48.107	ug/l	100
13) Acrolein	3.92	56	45176	199.763	ug/l	100
14) Allyl chloride	4.72	41	351682	49.509	ug/l	100
15) Acrylonitrile	5.42	53	221903	246.286	ug/l	100
16) Acetone	4.16	43	208815	232.453	ug/l	100
17) Carbon Disulfide	4.41	76	638153	47.781	ug/l	100
18) Methyl Acetate	4.72	43	97259	46.188	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	439917	49.572	ug/l	100
20) Methylene Chloride	4.97	84	255860	40.095	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	233633	49.540	ug/l	100
22) Diisopropyl ether	6.36	45	676445	50.673	ug/l	100
23) Vinyl Acetate	6.30	43	1936696	254.170	ug/l	100
24) 1,1-Dichloroethane	6.26	63	391989	49.245	ug/l	100
25) 2-Butanone	7.21	43	288440	242.993	ug/l	100
26) 2,2-Dichloropropane	7.21	77	339668	48.778	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	251557	49.644	ug/l	100
28) Bromochloromethane	7.54	49	140720	46.797	ug/l	100
29) Tetrahydrofuran	7.56	42	183097	242.574	ug/l	100
30) Chloroform	7.71	83	394673	48.908	ug/l	100
31) Cyclohexane	7.98	56	367871	46.971	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	361994	49.155	ug/l	100
36) 1,1-Dichloropropene	8.11	75	311127	48.509	ug/l	100
37) Ethyl Acetate	7.29	43	122036	45.411	ug/l	100
38) Carbon Tetrachloride	8.10	117	332875	48.421	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	393630	49.989	ug/l	100
40) Benzene	8.35	78	888618	50.151	ug/l	100
41) Methacrylonitrile	7.53	41	78522	49.159	ug/l	100
42) 1,2-Dichloroethane	8.43	62	249417	49.688	ug/l	100
43) Isopropyl Acetate	8.45	43	249363	49.851	ug/l	100
44) Trichloroethene	9.11	130	255220	49.023	ug/l	100
45) 1,2-Dichloropropane	9.39	63	219816	49.983	ug/l	100
46) Dibromomethane	9.47	93	113024	49.364	ug/l	100
47) Bromodichloromethane	9.67	83	305954	49.816	ug/l	100
48) Methyl methacrylate	9.46	41	127941	50.806	ug/l	100
49) 1,4-Dioxane	9.47	88	26755	983.460	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	616656	243.839	ug/l	100
52) Toluene	10.40	92	574344	50.950	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	291857	50.539	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	348859	49.994	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	155091	49.163	ug/l	100
56) Ethyl methacrylate	10.66	69	197639	51.295	ug/l	100
57) 1,3-Dichloropropane	10.95	76	272851	49.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	453414	242.986	ug/l	100
59) 2-Hexanone	10.98	43	430251	247.377	ug/l	100
60) Dibromochloromethane	11.14	129	212156	49.224	ug/l	100
61) 1,2-Dibromoethane	11.25	107	153767	48.889	ug/l	100
64) Tetrachloroethene	10.88	164	213284	49.232	ug/l	100
65) Chlorobenzene	11.67	112	603571	50.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	225377	50.194	ug/l	100
67) Ethyl Benzene	11.75	91	1084955	50.873	ug/l	100
68) m/p-Xylenes	11.86	106	832239	102.712	ug/l	100
69) o-Xylene	12.18	106	380815	51.594	ug/l	100
70) Styrene	12.20	104	663939	52.108	ug/l	100
71) Bromoform	12.36	173	124084	48.838	ug/l #	100
73) Isopropylbenzene	12.48	105	1054745	51.308	ug/l	100
74) N-amyl acetate	12.29	43	227614	49.343	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	166634	48.825	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	116597m	47.381	ug/l	
77) Bromobenzene	12.76	156	249780	50.097	ug/l	100
78) n-propylbenzene	12.83	91	1231306	51.089	ug/l	100
79) 2-Chlorotoluene	12.91	91	685101	50.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	859020	51.089	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57152	49.700	ug/l	100
82) 4-Chlorotoluene	13.01	91	717762	50.035	ug/l	100
83) tert-Butylbenzene	13.23	119	736800	51.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	849674	50.765	ug/l	100
85) sec-Butylbenzene	13.40	105	1038001	51.129	ug/l	100
86) p-Isopropyltoluene	13.52	119	959976	51.698	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	465858	49.932	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	465655	50.028	ug/l	100
89) n-Butylbenzene	13.84	91	894646	51.306	ug/l	100
90) Hexachloroethane	14.11	117	189406	50.582	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	406979	49.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27892	48.875	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291370	50.135	ug/l	100
94) Hexachlorobutadiene	15.27	225	180035	51.212	ug/l	100
95) Naphthalene	15.40	128	487958	50.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	249925	49.856	ug/l	100

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

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