

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065933.D
 Acq On : 07 Jul 2020 20:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:16 PM

Quant Time: Jul 08 10:11:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	577053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277482	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	169989	48.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.14%	
35) Dibromofluoromethane	7.92	113	181851	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	
50) Toluene-d8	10.34	98	654396	46.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.63	95	230699	47.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	143266	40.383	ug/l	94
3) Chloromethane	2.21	50	146754	41.728	ug/l	95
4) Vinyl Chloride	2.35	62	135971	42.107	ug/l	94
5) Bromomethane	2.77	94	90213	44.104	ug/l	99
6) Chloroethane	2.92	64	85410	44.247	ug/l	95
7) Trichlorofluoromethane	3.27	101	306146	44.235	ug/l	99
8) Diethyl Ether	3.71	74	94763	49.910	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185822	44.887	ug/l	99
10) Methyl Iodide	4.30	142	200943	46.281	ug/l	98
11) Tert butyl alcohol	5.22	59	61902	281.635	ug/l	97
12) 1,1-Dichloroethene	4.07	96	177768	45.965	ug/l	94
13) Acrolein	3.92	56	40045	222.745	ug/l	99
14) Allyl chloride	4.71	41	316871	48.348	ug/l	99
15) Acrylonitrile	5.42	53	219140	263.608	ug/l	99
16) Acetone	4.16	43	174298	210.294	ug/l	98
17) Carbon Disulfide	4.41	76	564251	45.789	ug/l	99
18) Methyl Acetate	4.72	43	96119	49.473	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	428916	52.384	ug/l	99
20) Methylene Chloride	4.97	84	232825	51.221	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	212285	48.787	ug/l	95
22) Diisopropyl ether	6.36	45	635166	51.569	ug/l	98
23) Vinyl Acetate	6.31	43	1835820	261.128	ug/l	100
24) 1,1-Dichloroethane	6.27	63	360420	49.075	ug/l	99
25) 2-Butanone	7.21	43	266564	243.389	ug/l	94
26) 2,2-Dichloropropane	7.21	77	286233	44.550	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	231061	49.422	ug/l	98
28) Bromochloromethane	7.55	49	127905	46.101	ug/l	99
29) Tetrahydrofuran	7.56	42	179175	257.277	ug/l	100
30) Chloroform	7.71	83	362693	48.713	ug/l	100
31) Cyclohexane	7.98	56	318260	44.043	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	322859	47.516	ug/l	100
36) 1,1-Dichloropropene	8.11	75	279982	45.528	ug/l	99
37) Ethyl Acetate	7.29	43	124588	48.351	ug/l	97
38) Carbon Tetrachloride	8.10	117	297482	45.131	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	338899	44.887	ug/l	98
40) Benzene	8.35	78	818941	48.203	ug/l	99
41) Methacrylonitrile	7.53	41	87093	58.216	ug/l	93
42) 1,2-Dichloroethane	8.43	62	231526	48.105	ug/l	98
43) Isopropyl Acetate	8.46	43	240957	50.239	ug/l	98
44) Trichloroethene	9.11	130	227721	45.619	ug/l	94
45) 1,2-Dichloropropane	9.39	63	205751	48.794	ug/l	98
46) Dibromomethane	9.48	93	107727	49.071	ug/l	98
47) Bromodichloromethane	9.66	83	288902	49.059	ug/l	99
48) Methyl methacrylate	9.46	41	127133	52.654	ug/l	98
49) 1,4-Dioxane	9.46	88	26695	1023.395	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	614342	253.357	ug/l	99
52) Toluene	10.41	92	519417	48.056	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	271112	48.963	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	324576	48.512	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	150424	49.732	ug/l	98
56) Ethyl methacrylate	10.66	69	192317	52.057	ug/l	99
57) 1,3-Dichloropropane	10.95	76	262066	49.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	432084	241.500	ug/l	99
59) 2-Hexanone	10.98	43	414261	248.413	ug/l	99
60) Dibromochloromethane	11.14	129	206440	49.955	ug/l	100
61) 1,2-Dibromoethane	11.25	107	146901	48.711	ug/l	99
64) Tetrachloroethene	10.88	164	194042	46.239	ug/l	97
65) Chlorobenzene	11.67	112	564585	48.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	211088	48.532	ug/l	100
67) Ethyl Benzene	11.74	91	980064	47.441	ug/l	99
68) m/p-Xylenes	11.86	106	756609	96.398	ug/l	99
69) o-Xylene	12.18	106	354015	49.514	ug/l	100
70) Styrene	12.20	104	611566	49.550	ug/l	100
71) Bromoform	12.36	173	119571	48.584	ug/l #	98
73) Isopropylbenzene	12.48	105	940889	48.585	ug/l	99
74) N-amyl acetate	12.29	43	223450	51.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	160828	50.023	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	110707m	47.561	ug/l	
77) Bromobenzene	12.76	156	234651	49.958	ug/l	99
78) n-propylbenzene	12.82	91	1093991	48.184	ug/l	100
79) 2-Chlorotoluene	12.91	91	634616	49.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	779935	49.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55024	50.793	ug/l	96
82) 4-Chlorotoluene	13.01	91	647196	47.892	ug/l	99
83) tert-Butylbenzene	13.23	119	666458	49.385	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	770045	48.838	ug/l	98
85) sec-Butylbenzene	13.40	105	931003	48.680	ug/l	99
86) p-Isopropyltoluene	13.52	119	852910	48.758	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	431911	49.141	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	426609	48.653	ug/l	99
89) n-Butylbenzene	13.84	91	782587	47.641	ug/l	99
90) Hexachloroethane	14.11	117	169715	48.112	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	379469	49.398	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25639	47.691	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	264563	48.323	ug/l	100
94) Hexachlorobutadiene	15.27	225	155640	46.996	ug/l	99
95) Naphthalene	15.40	128	471502	51.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	233276	49.398	ug/l	99

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

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