

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067139.D
 Acq On : 07 Oct 2020 06:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:14 PM

Quant Time: Oct 07 07:13:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	317381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	487384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	169196	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
35) Dibromofluoromethane	7.91	113	184267	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
50) Toluene-d8	10.34	98	652239	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.64	95	229676	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	134691	53.015	ug/l	99
3) Chloromethane	2.21	50	110241	43.616	ug/l	100
4) Vinyl Chloride	2.35	62	111272	43.905	ug/l	98
5) Bromomethane	2.77	94	96494	59.928	ug/l	96
6) Chloroethane	2.93	64	76695	49.691	ug/l	94
7) Trichlorofluoromethane	3.27	101	262838	46.679	ug/l	97
8) Diethyl Ether	3.71	74	70821	50.720	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140315	44.088	ug/l	97
10) Methyl Iodide	4.30	142	162617	52.586	ug/l	98
11) Tert butyl alcohol	5.22	59	40416	219.697	ug/l	98
12) 1,1-Dichloroethene	4.07	96	140228	46.870	ug/l	96
13) Acrolein	3.92	56	43297	211.519	ug/l	98
14) Allyl chloride	4.71	41	174084	44.790	ug/l	93
15) Acrylonitrile	5.43	53	127043	247.212	ug/l	97
16) Acetone	4.16	43	103631	222.073	ug/l	98
17) Carbon Disulfide	4.41	76	420834	45.833	ug/l	96
18) Methyl Acetate	4.72	43	58658	50.013	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	296605	54.306	ug/l	93
20) Methylene Chloride	4.97	84	181169	55.511	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	170868	50.183	ug/l	99
22) Diisopropyl ether	6.36	45	345573	48.702	ug/l	95
23) Vinyl Acetate	6.31	43	972303	241.813	ug/l	98
24) 1,1-Dichloroethane	6.27	63	280201	51.168	ug/l	97
25) 2-Butanone	7.21	43	148419	224.331	ug/l	93
26) 2,2-Dichloropropane	7.21	77	219589	46.615	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	191810	52.747	ug/l	96
28) Bromochloromethane	7.56	49	107108	50.647	ug/l	87
29) Tetrahydrofuran	7.56	42	86864	228.338	ug/l	91
30) Chloroform	7.71	83	312390	52.587	ug/l	96
31) Cyclohexane	7.98	56	183727	40.019	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	284564	51.688	ug/l	98
36) 1,1-Dichloropropene	8.11	75	215214	44.712	ug/l	98
37) Ethyl Acetate	7.29	43	72768	43.640	ug/l	96
38) Carbon Tetrachloride	8.10	117	258879	49.709	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	229231	45.046	ug/l	94
40) Benzene	8.35	78	647482	48.431	ug/l	97
41) Methacrylonitrile	7.53	41	40163	44.584	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	193779	51.871	ug/l	98
43) Isopropyl Acetate	8.45	43	140758	45.822	ug/l	98
44) Trichloroethene	9.11	130	197421	49.452	ug/l	100
45) 1,2-Dichloropropane	9.39	63	152782	48.637	ug/l	98
46) Dibromomethane	9.48	93	93349	51.704	ug/l	97
47) Bromodichloromethane	9.66	83	247367	52.708	ug/l	99
48) Methyl methacrylate	9.46	41	68018	43.221	ug/l #	75
49) 1,4-Dioxane	9.46	88	16914	897.625	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	354197	231.491	ug/l	97
52) Toluene	10.40	92	442432	51.373	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	209111	49.855	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	248007	48.421	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	126371	50.345	ug/l	98
56) Ethyl methacrylate	10.66	69	138400	53.405	ug/l	95
57) 1,3-Dichloropropane	10.94	76	206419	50.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	372191	258.035	ug/l	97
59) 2-Hexanone	10.98	43	243257	238.200	ug/l	97
60) Dibromochloromethane	11.14	129	178918	53.479	ug/l	97
61) 1,2-Dibromoethane	11.25	107	126849	52.601	ug/l	99
64) Tetrachloroethene	10.88	164	172747	48.753	ug/l	96
65) Chlorobenzene	11.67	112	479486	49.465	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	191679	51.984	ug/l	98
67) Ethyl Benzene	11.74	91	837828	50.445	ug/l	100
68) m/p-Xylenes	11.86	106	645311	99.698	ug/l	98
69) o-Xylene	12.18	106	292765	50.580	ug/l	93
70) Styrene	12.20	104	519947	52.313	ug/l	99
71) Bromoform	12.36	173	102019	53.302	ug/l #	96
73) Isopropylbenzene	12.48	105	803187	49.729	ug/l	99
74) N-amyl acetate	12.29	43	125072	43.077	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	124284	45.671	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	90029m	43.453	ug/l	
77) Bromobenzene	12.77	156	200618	51.441	ug/l	93
78) n-propylbenzene	12.83	91	918217	48.104	ug/l	99
79) 2-Chlorotoluene	12.91	91	544059	49.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	696064	51.009	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	36950	44.462	ug/l	98
82) 4-Chlorotoluene	13.01	91	575399	49.520	ug/l	99
83) tert-Butylbenzene	13.23	119	590106	51.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	701761	51.531	ug/l	97
85) sec-Butylbenzene	13.41	105	779590	48.175	ug/l	99
86) p-Isopropyltoluene	13.52	119	741278	49.409	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	375300	49.405	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	369417	48.636	ug/l	99
89) n-Butylbenzene	13.85	91	627887	45.793	ug/l	98
90) Hexachloroethane	14.12	117	128368	48.846	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	328880	49.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21657	49.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215485	50.215	ug/l	100
94) Hexachlorobutadiene	15.28	225	125383	47.576	ug/l	99
95) Naphthalene	15.41	128	378641	52.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	196567	52.767	ug/l	98

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

