

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067335.D
 Acq On : 20 Oct 2020 20:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/21/2020 2:52:04 PM

Quant Time: Oct 21 02:57:31 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	303741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	161175	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.94%	
35) Dibromofluoromethane	7.92	113	161975	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
50) Toluene-d8	10.34	98	577838	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	205076	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	113001	45.998	ug/l	99
3) Chloromethane	2.21	50	87941	46.004	ug/l	96
4) Vinyl Chloride	2.35	62	94208	44.916	ug/l	97
5) Bromomethane	2.77	94	81587	56.190	ug/l	95
6) Chloroethane	2.92	64	63861	48.890	ug/l	91
7) Trichlorofluoromethane	3.27	101	248797	47.107	ug/l	98
8) Diethyl Ether	3.71	74	64598	53.451	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	135428	48.263	ug/l	100
10) Methyl Iodide	4.30	142	139101	53.739	ug/l	98
11) Tert butyl alcohol	5.23	59	42781	274.960	ug/l	99
12) 1,1-Dichloroethene	4.07	96	124004	49.466	ug/l	99
13) Acrolein	3.93	56	47673	261.077	ug/l	96
14) Allyl chloride	4.71	41	144670	50.394	ug/l	99
15) Acrylonitrile	5.43	53	114755	284.570	ug/l	99
16) Acetone	4.16	43	96362	226.108	ug/l	93
17) Carbon Disulfide	4.41	76	332440	46.518	ug/l	99
18) Methyl Acetate	4.71	43	54282	55.843	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	275943	55.359	ug/l	99
20) Methylene Chloride	4.97	84	150527	55.648	ug/l	92
21) trans-1,2-Dichloroethene	5.48	96	148545	51.492	ug/l	96
22) Diisopropyl ether	6.36	45	287211	54.767	ug/l	97
23) Vinyl Acetate	6.31	43	873656	292.823	ug/l	99
24) 1,1-Dichloroethane	6.27	63	231939	51.667	ug/l	99
25) 2-Butanone	7.21	43	134668	277.210	ug/l	93
26) 2,2-Dichloropropane	7.21	77	226746	49.004	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	168679	53.351	ug/l	99
28) Bromochloromethane	7.55	49	83706	54.667	ug/l #	98
29) Tetrahydrofuran	7.57	42	79347	293.828	ug/l	96
30) Chloroform	7.71	83	281902	52.567	ug/l	88
31) Cyclohexane	7.98	56	160918	45.912	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	267017	50.747	ug/l	100
36) 1,1-Dichloropropene	8.12	75	194840	50.149	ug/l	99
37) Ethyl Acetate	7.30	43	64163	56.130	ug/l	96
38) Carbon Tetrachloride	8.10	117	252421	50.833	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	200790	49.434	ug/l	97
40) Benzene	8.36	78	567892	53.279	ug/l	98
41) Methacrylonitrile	7.52	41	35631	57.681	ug/l	86
42) 1,2-Dichloroethane	8.43	62	184639	55.353	ug/l	100
43) Isopropyl Acetate	8.46	43	128013	56.437	ug/l	99
44) Trichloroethene	9.12	130	181458	53.172	ug/l	86
45) 1,2-Dichloropropane	9.40	63	132512	53.643	ug/l	100
46) Dibromomethane	9.48	93	84495	54.899	ug/l	95
47) Bromodichloromethane	9.67	83	226898	55.025	ug/l	96
48) Methyl methacrylate	9.46	41	62913	57.075	ug/l	99
49) 1,4-Dioxane	9.46	88	17686	1193.306	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	331985	293.448	ug/l	99
52) Toluene	10.41	92	390761	53.826	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	203199	56.096	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	232183	54.769	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	120265	57.303	ug/l	94
56) Ethyl methacrylate	10.66	69	130119	59.780	ug/l	98
57) 1,3-Dichloropropane	10.95	76	185856	55.645	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	325815	291.788	ug/l	99
59) 2-Hexanone	10.99	43	223320	288.875	ug/l	93
60) Dibromochloromethane	11.14	129	169217	55.286	ug/l	98
61) 1,2-Dibromoethane	11.25	107	115018	55.589	ug/l	99
64) Tetrachloroethene	10.88	164	155992	49.697	ug/l	97
65) Chlorobenzene	11.67	112	434527	52.305	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	177462	53.747	ug/l	99
67) Ethyl Benzene	11.75	91	760161	53.380	ug/l	99
68) m/p-Xylenes	11.86	106	584912	106.661	ug/l	99
69) o-Xylene	12.18	106	275540	54.260	ug/l	95
70) Styrene	12.20	104	476354	54.493	ug/l	100
71) Bromoform	12.37	173	99793	56.260	ug/l #	100
73) Isopropylbenzene	12.48	105	740326	53.469	ug/l	99
74) N-amyl acetate	12.29	43	118871	56.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	116608	54.965	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	86655m	57.310	ug/l	
77) Bromobenzene	12.77	156	191183	55.385	ug/l	99
78) n-propylbenzene	12.83	91	861939	53.730	ug/l	100
79) 2-Chlorotoluene	12.91	91	496083	53.324	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	646372	53.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	36528	54.783	ug/l	98
82) 4-Chlorotoluene	13.01	91	541801	54.872	ug/l	98
83) tert-Butylbenzene	13.23	119	559022	55.003	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	655443	55.116	ug/l	99
85) sec-Butylbenzene	13.41	105	733323	52.584	ug/l	99
86) p-Isopropyltoluene	13.52	119	710849	54.003	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	353731	53.240	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	353550	53.709	ug/l	100
89) n-Butylbenzene	13.85	91	620600	53.592	ug/l	99
90) Hexachloroethane	14.11	117	124347	54.134	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	316493	54.528	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21613	56.078	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	217372	55.546	ug/l	99
94) Hexachlorobutadiene	15.27	225	128854	53.023	ug/l	98
95) Naphthalene	15.41	128	382842	59.586	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	190110	56.232	ug/l	99

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

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