

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067027.D
 Acq On : 02 Oct 2020 11:18
 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
 10/5/2020 5:34:23 PM

Quant Time: Oct 03 04:54:45 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	469450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	709071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	664042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319237	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	211757	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.91	113	229928	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.34	98	858868	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.63	95	294652	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	185957	49.117	ug/l	100
3) Chloromethane	2.20	50	160602	42.958	ug/l	100
4) Vinyl Chloride	2.35	62	161021	42.954	ug/l	97
5) Bromomethane	2.77	94	110957	45.533	ug/l	100
6) Chloroethane	2.92	64	97674	42.784	ug/l	98
7) Trichlorofluoromethane	3.27	101	378009	45.387	ug/l	99
8) Diethyl Ether	3.70	74	96607	46.776	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	212621	45.166	ug/l	100
10) Methyl Iodide	4.30	142	187248	40.937	ug/l	100
11) Tert butyl alcohol	5.21	59	59072	216.377	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	195975	44.284	ug/l	95
13) Acrolein	3.92	56	70734	233.620	ug/l	92
14) Allyl chloride	4.71	41	260647	45.338	ug/l	97
15) Acrylonitrile	5.42	53	174094	229.031	ug/l	96
16) Acetone	4.15	43	171725	248.789	ug/l	99
17) Carbon Disulfide	4.40	76	618986	45.577	ug/l	98
18) Methyl Acetate	4.72	43	79087	45.588	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	380310	47.076	ug/l	97
20) Methylene Chloride	4.96	84	235024	47.639	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	232465	46.158	ug/l	99
22) Diisopropyl ether	6.36	45	505702	48.182	ug/l	98
23) Vinyl Acetate	6.30	43	1477644	248.450	ug/l	99
24) 1,1-Dichloroethane	6.27	63	370955	45.797	ug/l	99
25) 2-Butanone	7.21	43	220134	224.946	ug/l	97
26) 2,2-Dichloropropane	7.20	77	336176	48.405	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249402	46.368	ug/l	99
28) Bromochloromethane	7.54	49	157099	50.222	ug/l	100
29) Tetrahydrofuran	7.56	42	133794	237.776	ug/l	100
30) Chloroform	7.71	83	414583	47.183	ug/l	96
31) Cyclohexane	7.98	56	298628	43.976	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	384783	47.252	ug/l	97
36) 1,1-Dichloropropene	8.11	75	315526	47.740	ug/l	98
37) Ethyl Acetate	7.28	43	104701	45.728	ug/l	98
38) Carbon Tetrachloride	8.09	117	349603	48.887	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	341172	48.825	ug/l	99
40) Benzene	8.34	78	880523	47.965	ug/l	99
41) Methacrylonitrile	7.53	41	56880	45.983	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	243251	47.420	ug/l	98
43) Isopropyl Acetate	8.45	43	203178	48.169	ug/l	99
44) Trichloroethene	9.11	130	262825	47.945	ug/l	99
45) 1,2-Dichloropropane	9.38	63	215732	50.015	ug/l	99
46) Dibromomethane	9.47	93	118349	47.738	ug/l	95
47) Bromodichloromethane	9.66	83	315127	48.900	ug/l	99
48) Methyl methacrylate	9.45	41	108157	50.051	ug/l	96
49) 1,4-Dioxane	9.46	88	26278	1015.611	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	519101	247.074	ug/l	99
52) Toluene	10.40	92	597752	50.547	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	279026	48.446	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	341890	48.612	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	164346	47.682	ug/l	95
56) Ethyl methacrylate	10.66	69	182793	51.368	ug/l	97
57) 1,3-Dichloropropane	10.94	76	273576	48.947	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	524022	264.575	ug/l	99
59) 2-Hexanone	10.98	43	355437	253.469	ug/l	98
60) Dibromochloromethane	11.14	129	225032	48.985	ug/l	97
61) 1,2-Dibromoethane	11.24	107	163064	49.244	ug/l	98
64) Tetrachloroethene	10.87	164	226846	46.989	ug/l	92
65) Chlorobenzene	11.67	112	625832	47.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	235236	46.825	ug/l	98
67) Ethyl Benzene	11.74	91	1111099	49.101	ug/l	99
68) m/p-Xylenes	11.85	106	858412	97.339	ug/l	99
69) o-Xylene	12.18	106	386632	49.026	ug/l	95
70) Styrene	12.20	104	677541	50.033	ug/l	100
71) Bromoform	12.36	173	124842	47.874	ug/l #	99
73) Isopropylbenzene	12.48	105	1086383	50.118	ug/l	100
74) N-amyl acetate	12.29	43	190337	48.845	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	171981	47.090	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	113506m	40.820	ug/l	
77) Bromobenzene	12.76	156	257177	49.135	ug/l	97
78) n-propylbenzene	12.82	91	1271062	49.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	709958	48.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	928190	50.681	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52530	47.098	ug/l	98
82) 4-Chlorotoluene	13.01	91	747817	47.954	ug/l	99
83) tert-Butylbenzene	13.23	119	761773	49.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	912106	49.905	ug/l	99
85) sec-Butylbenzene	13.40	105	1080377	49.744	ug/l	100
86) p-Isopropyltoluene	13.52	119	999314	49.630	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	479503	47.033	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481215	47.206	ug/l	100
89) n-Butylbenzene	13.85	91	902851	49.062	ug/l	100
90) Hexachloroethane	14.12	117	169782	48.137	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422110	47.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27461	46.645	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287604	49.938	ug/l	98
94) Hexachlorobutadiene	15.28	225	171751	48.559	ug/l	99
95) Naphthalene	15.41	128	480065	49.974	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	250808	50.166	ug/l	99

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

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