

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066331.D
 Acq On : 19 Aug 2020 22:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:00 PM

Quant Time: Aug 20 07:56:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	223932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	324087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	112427	56.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.56%	
35) Dibromofluoromethane	7.91	113	110919	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
50) Toluene-d8	10.34	98	400274	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.63	95	140141	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	80652	40.880	ug/l	100
3) Chloromethane	2.21	50	64727	42.175	ug/l	99
4) Vinyl Chloride	2.35	62	67042	49.342	ug/l	97
5) Bromomethane	2.77	94	51759	57.417	ug/l	88
6) Chloroethane	2.92	64	44629	53.509	ug/l	99
7) Trichlorofluoromethane	3.27	101	182823	51.611	ug/l	95
8) Diethyl Ether	3.71	74	48874	48.898	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105924	50.386	ug/l	98
10) Methyl Iodide	4.30	142	123066	62.381	ug/l	97
11) Tert butyl alcohol	5.23	59	34587	228.596	ug/l	97
12) 1,1-Dichloroethene	4.07	96	93972	47.385	ug/l	91
13) Acrolein	3.93	56	27668	173.989	ug/l	95
14) Allyl chloride	4.71	41	145102	48.296	ug/l	91
15) Acrylonitrile	5.42	53	107219	254.564	ug/l	100
16) Acetone	4.16	43	86806	228.997	ug/l	94
17) Carbon Disulfide	4.41	76	258051	40.924	ug/l	99
18) Methyl Acetate	4.71	43	48778	50.660	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	242406	53.328	ug/l	96
20) Methylene Chloride	4.96	84	128711	60.062	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	112719	49.477	ug/l	96
22) Diisopropyl ether	6.36	45	290745	48.936	ug/l	96
23) Vinyl Acetate	6.30	43	867423	249.211	ug/l	100
24) 1,1-Dichloroethane	6.26	63	191381	52.050	ug/l	100
25) 2-Butanone	7.21	43	125466	225.034	ug/l	93
26) 2,2-Dichloropropane	7.20	77	171974	52.185	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	129543	54.212	ug/l	98
28) Bromochloromethane	7.54	49	66038	51.136	ug/l	96
29) Tetrahydrofuran	7.56	42	80758	233.788	ug/l	96
30) Chloroform	7.71	83	213846	55.388	ug/l	96
31) Cyclohexane	7.98	56	151989	43.425	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	202295	55.883	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152798	50.173	ug/l	99
37) Ethyl Acetate	7.29	43	57956	48.031	ug/l	98
38) Carbon Tetrachloride	8.10	117	192034	56.545	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	176309	47.891	ug/l	97
40) Benzene	8.34	78	432256	51.165	ug/l	98
41) Methacrylonitrile	7.53	41	34840	49.107	ug/l	93
42) 1,2-Dichloroethane	8.42	62	139522	56.216	ug/l	97
43) Isopropyl Acetate	8.45	43	118231	49.730	ug/l	99
44) Trichloroethene	9.11	130	134161	52.700	ug/l	99
45) 1,2-Dichloropropane	9.38	63	106237	51.416	ug/l	100
46) Dibromomethane	9.47	93	60226	52.917	ug/l	96
47) Bromodichloromethane	9.66	83	170331	56.625	ug/l	100
48) Methyl methacrylate	9.46	41	55181	45.455	ug/l #	77
49) 1,4-Dioxane	9.46	88	13958	954.582	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	297987	244.013	ug/l	98
52) Toluene	10.40	92	295477	53.152	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	155810	54.581	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	175419	52.448	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	82897	50.582	ug/l	97
56) Ethyl methacrylate	10.66	69	102464	52.046	ug/l	96
57) 1,3-Dichloropropane	10.94	76	143281	52.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	240005	271.019	ug/l	98
59) 2-Hexanone	10.98	43	201431	235.027	ug/l	99
60) Dibromochloromethane	11.14	129	122774	54.263	ug/l	98
61) 1,2-Dibromoethane	11.24	107	82530	52.364	ug/l	98
64) Tetrachloroethene	10.87	164	118931	52.022	ug/l	95
65) Chlorobenzene	11.67	112	327566	54.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	128997	54.549	ug/l	98
67) Ethyl Benzene	11.74	91	571012	54.520	ug/l	96
68) m/p-Xylenes	11.85	106	430111	105.996	ug/l	96
69) o-Xylene	12.18	106	200516	54.322	ug/l	98
70) Styrene	12.19	104	348974	53.945	ug/l	97
71) Bromoform	12.36	173	74562	53.218	ug/l #	99
73) Isopropylbenzene	12.48	105	566808	56.317	ug/l	99
74) N-amyl acetate	12.29	43	108196	48.819	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	87447	50.954	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	57788m	45.960	ug/l	
77) Bromobenzene	12.76	156	141199	54.499	ug/l	98
78) n-propylbenzene	12.82	91	636502	54.405	ug/l	100
79) 2-Chlorotoluene	12.91	91	368705	55.102	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	479908	57.016	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	28086	49.378	ug/l	92
82) 4-Chlorotoluene	13.01	91	380996	53.938	ug/l	99
83) tert-Butylbenzene	13.23	119	416061	56.207	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	469874	55.781	ug/l	100
85) sec-Butylbenzene	13.40	105	549413	54.974	ug/l	100
86) p-Isopropyltoluene	13.52	119	526755	56.196	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	256645	52.706	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	253897	52.284	ug/l	100
89) n-Butylbenzene	13.84	91	459636	54.730	ug/l	99
90) Hexachloroethane	14.11	117	102192	54.664	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	231997	53.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15789	53.530	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170879	53.845	ug/l	99
94) Hexachlorobutadiene	15.27	225	105711	56.568	ug/l	98
95) Naphthalene	15.41	128	289485	55.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	150660	53.779	ug/l	98

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

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