

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068458.D
 Acq On : 26 Feb 2021 16:01
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:05:38 AM

Quant Time: Feb 26 21:47:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	311371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	540682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	497889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	231446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	153346	49.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.58%		
35) Dibromofluoromethane	7.914	113	161633	49.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.26%		
50) Toluene-d8	10.343	98	635942	49.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.04%		
62) 4-Bromofluorobenzene	12.631	95	206044	49.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.56%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	61657	20.40	ug/l	98
3) Chloromethane	2.208	50	79013	20.69	ug/l	93
4) Vinyl Chloride	2.350	62	91780	20.24	ug/l	95
5) Bromomethane	2.756	94	65428	20.26	ug/l	96
6) Chloroethane	2.920	64	57926	19.76	ug/l	96
7) Trichlorofluoromethane	3.267	101	102952	19.90	ug/l	98
8) Diethyl Ether	3.703	74	30782	19.99	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	63994	20.31	ug/l	93
10) Methyl Iodide	4.297	142	53475	16.07	ug/l	95
11) Tert butyl alcohol	5.220	59	15452	93.03	ug/l #	90
12) 1,1-Dichloroethene	4.067	96	61430	19.64	ug/l #	90
13) Acrolein	3.932	56	23966	100.95	ug/l	98
14) Allyl chloride	4.720	41	78539	19.45	ug/l	96
15) Acrylonitrile	5.420	53	65761	101.17	ug/l	96
16) Acetone	4.161	43	45971	93.03	ug/l	91
17) Carbon Disulfide	4.414	76	206228	20.13	ug/l	99
18) Methyl Acetate	4.720	43	25078	19.69	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	135024	19.92	ug/l	92
20) Methylene Chloride	4.961	84	85546	20.71	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	75201	20.14	ug/l	96
22) Diisopropyl ether	6.361	45	178275	20.05	ug/l	93
23) Vinyl Acetate	6.308	43	451752	97.93	ug/l	98
24) 1,1-Dichloroethane	6.261	63	123393	20.25	ug/l	95
25) 2-Butanone	7.214	43	66952	94.25	ug/l	95
26) 2,2-Dichloropropane	7.214	77	98051	19.31	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	83497	20.37	ug/l	99
28) Bromochloromethane	7.543	49	46210	19.43	ug/l	83
29) Tetrahydrofuran	7.561	42	44275	95.99	ug/l	98
30) Chloroform	7.708	83	133446	20.73	ug/l	91
31) Cyclohexane	7.985	56	112408	19.87	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	110461	20.11	ug/l	96
36) 1,1-Dichloropropene	8.114	75	101962	19.84	ug/l	96
37) Ethyl Acetate	7.291	43	30488	17.88	ug/l #	93
38) Carbon Tetrachloride	8.096	117	95992	19.88	ug/l	94
39) Methylcyclohexane	9.355	83	123113	19.42	ug/l	98
40) Benzene	8.349	78	298438	20.24	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	20678m	20.89	ug/l	
42) 1,2-Dichloroethane	8.426	62	75213	19.40	ug/l	99
43) Isopropyl Acetate	8.449	43	59948	19.13	ug/l	95
44) Trichloroethene	9.120	130	79606	19.67	ug/l	92
45) 1,2-Dichloropropane	9.390	63	68507	19.44	ug/l	97
46) Dibromomethane	9.479	93	39687	20.70	ug/l	90
47) Bromodichloromethane	9.661	83	101087	20.38	ug/l	99
48) Methyl methacrylate	9.461	41	32870	19.68	ug/l	97
49) 1,4-Dioxane	9.461	88	8306	379.87	ug/l #	78
51) 4-Methyl-2-Pentanone	10.232	43	155954	95.09	ug/l	97
52) Toluene	10.402	92	189358	20.11	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	90956	19.84	ug/l	96
54) cis-1,3-Dichloropropene	10.090	75	110988	19.85	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	53406	20.13	ug/l	96
56) Ethyl methacrylate	10.661	69	58725	19.25	ug/l	96
57) 1,3-Dichloropropane	10.943	76	90662	19.58	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	147427	96.35	ug/l	93
59) 2-Hexanone	10.985	43	103361	94.55	ug/l	99
60) Dibromochloromethane	11.137	129	65281	19.87	ug/l	99
61) 1,2-Dibromoethane	11.243	107	50386	19.41	ug/l	99
64) Tetrachloroethene	10.879	164	64648	19.88	ug/l	96
65) Chlorobenzene	11.673	112	201791	19.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	69497	19.72	ug/l	96
67) Ethyl Benzene	11.743	91	358509	19.81	ug/l	97
68) m/p-Xylenes	11.855	106	276961	40.29	ug/l	99
69) o-Xylene	12.179	106	126517	19.98	ug/l	94
70) Styrene	12.196	104	217787	20.12	ug/l	100
71) Bromoform	12.361	173	36048	20.13	ug/l #	97
73) Isopropylbenzene	12.479	105	337290	19.65	ug/l	98
74) N-amyl acetate	12.290	43	54620	18.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	58922	19.95	ug/l	98
76) 1,2,3-Trichloropropane	12.784	75	39190m	19.07	ug/l	
77) Bromobenzene	12.761	156	80186	20.47	ug/l	96
78) n-propylbenzene	12.820	91	411216	20.05	ug/l	98
79) 2-Chlorotoluene	12.908	91	227856	20.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	282945	20.11	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	17077	19.40	ug/l	95
82) 4-Chlorotoluene	13.002	91	237454	19.82	ug/l	100
83) tert-Butylbenzene	13.220	119	232147	19.38	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	280230	19.89	ug/l	98
85) sec-Butylbenzene	13.402	105	333638	19.72	ug/l	98
86) p-Isopropyltoluene	13.514	119	303620	19.77	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	151153	19.98	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	149719	19.97	ug/l	97
89) n-Butylbenzene	13.837	91	288529	19.47	ug/l	98
90) Hexachloroethane	14.108	117	58897	19.29	ug/l	93
91) 1,2-Dichlorobenzene	13.884	146	126313	19.47	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9570	18.38	ug/l	93
93) 1,2,4-Trichlorobenzene	15.161	180	96357	19.22	ug/l	98
94) Hexachlorobutadiene	15.261	225	54739	19.68	ug/l	97
95) Naphthalene	15.396	128	174134	19.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	83928	19.34	ug/l	97

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

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