

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
 Data File : VD068256.D
 Acq On : 03 Feb 2021 12:18
 Operator : VA/SY
 Sample : VD0203SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 10:35:24 AM

Quant Time: Feb 03 23:39:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	326770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	584064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	527118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	238962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149390	47.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.58%		
35) Dibromofluoromethane	7.920	113	162104	50.20	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.40%		
50) Toluene-d8	10.344	98	584685	45.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.54%		
62) 4-Bromofluorobenzene	12.632	95	211033	45.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.74%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	80514	20.74	ug/l	98
3) Chloromethane	2.209	50	94913	22.71	ug/l	94
4) Vinyl Chloride	2.356	62	103388	22.24	ug/l	100
5) Bromomethane	2.762	94	73580	23.08	ug/l	98
6) Chloroethane	2.926	64	67055	23.61	ug/l	97
7) Trichlorofluoromethane	3.279	101	122848	20.13	ug/l	98
8) Diethyl Ether	3.715	74	37296	20.76	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	74691	20.98	ug/l	94
10) Methyl Iodide	4.303	142	72536	20.18	ug/l	92
11) Tert butyl alcohol	5.220	59	27554	44.84	ug/l	95
12) 1,1-Dichloroethene	4.073	96	73228	20.45	ug/l	85
13) Acrolein	3.926	56	23721	96.30	ug/l	99
14) Allyl chloride	4.721	41	109898	21.10	ug/l	97
15) Acrylonitrile	5.426	53	81759	114.86	ug/l	99
16) Acetone	4.162	43	58347	104.54	ug/l	99
17) Carbon Disulfide	4.415	76	227847	19.76	ug/l	100
18) Methyl Acetate	4.715	43	35537	24.53	ug/l	89
19) Methyl tert-butyl Ether	5.485	73	174152	21.04	ug/l #	90
20) Methylene Chloride	4.968	84	95620	22.33	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	87083	21.19	ug/l	92
22) Diisopropyl ether	6.362	45	232247	22.10	ug/l #	94
23) Vinyl Acetate	6.309	43	602097	107.49	ug/l	97
24) 1,1-Dichloroethane	6.267	63	153051	22.48	ug/l	99
25) 2-Butanone	7.209	43	87125	103.67	ug/l	95
26) 2,2-Dichloropropane	7.215	77	130267	20.22	ug/l	99
27) cis-1,2-Dichloroethene	7.215	96	99319	22.26	ug/l	95
28) Bromochloromethane	7.550	49	53687	23.15	ug/l #	76
29) Tetrahydrofuran	7.562	42	59884	109.92	ug/l	93
30) Chloroform	7.714	83	154822	22.50	ug/l	97
31) Cyclohexane	7.991	56	136952	20.23	ug/l	92
32) 1,1,1-Trichloroethane	7.909	97	131881	21.27	ug/l	95
36) 1,1-Dichloropropene	8.114	75	120251	20.42	ug/l	97
37) Ethyl Acetate	7.297	43	44610	21.41	ug/l	96
38) Carbon Tetrachloride	8.097	117	111354	20.20	ug/l	96
39) Methylcyclohexane	9.356	83	153804	19.97	ug/l	98
40) Benzene	8.350	78	347868	21.12	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	20665	16.43	ug/l #	81
42) 1,2-Dichloroethane	8.426	62	92460	21.01	ug/l	100
43) Isopropyl Acetate	8.450	43	87130	20.07	ug/l	96
44) Trichloroethene	9.114	130	91334	20.19	ug/l	88
45) 1,2-Dichloropropane	9.391	63	87342	21.66	ug/l	98
46) Dibromomethane	9.479	93	43874	21.47	ug/l	93
47) Bromodichloromethane	9.661	83	118159	21.43	ug/l #	94
48) Methyl methacrylate	9.461	41	44014	20.37	ug/l	99
49) 1,4-Dioxane	9.456	88	9857	411.62	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	207570	102.84	ug/l	98
52) Toluene	10.403	92	222107	20.70	ug/l	94
53) t-1,3-Dichloropropene	10.626	75	114454	20.51	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	139163	20.95	ug/l	96
55) 1,1,2-Trichloroethane	10.803	97	62479	21.57	ug/l	94
56) Ethyl methacrylate	10.661	69	78236	20.28	ug/l	96
57) 1,3-Dichloropropane	10.950	76	107593	21.06	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	204447	114.85	ug/l	91
59) 2-Hexanone	10.985	43	138801	99.21	ug/l	99
60) Dibromochloromethane	11.144	129	76677	21.12	ug/l	99
61) 1,2-Dibromoethane	11.250	107	60139	21.05	ug/l	98
64) Tetrachloroethene	10.879	164	74650	20.09	ug/l	97
65) Chlorobenzene	11.673	112	235422	21.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	82086	20.84	ug/l	97
67) Ethyl Benzene	11.744	91	432102	20.84	ug/l	98
68) m/p-Xylenes	11.855	106	321682	41.09	ug/l	100
69) o-Xylene	12.179	106	149959	20.62	ug/l	96
70) Styrene	12.197	104	253224	20.40	ug/l	99
71) Bromoform	12.361	173	40482	20.27	ug/l #	98
73) Isopropylbenzene	12.479	105	400979	20.17	ug/l	99
74) N-amyl acetate	12.291	43	79085	19.13	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.732	83	65927	20.85	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	43276m	18.73	ug/l	
77) Bromobenzene	12.761	156	91206	21.40	ug/l	89
78) n-propylbenzene	12.820	91	486177	20.67	ug/l	98
79) 2-Chlorotoluene	12.908	91	269596	20.41	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	330936	19.98	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.532	75	21564	18.89	ug/l	95
82) 4-Chlorotoluene	13.008	91	280593	20.43	ug/l	98
83) tert-Butylbenzene	13.226	119	282100	20.10	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	333477	20.29	ug/l	98
85) sec-Butylbenzene	13.402	105	395337	20.14	ug/l	98
86) p-Isopropyltoluene	13.514	119	358383	20.07	ug/l	100
87) 1,3-Dichlorobenzene	13.520	146	172324	21.02	ug/l	100
88) 1,4-Dichlorobenzene	13.597	146	168360	20.85	ug/l	98
89) n-Butylbenzene	13.844	91	341467	19.93	ug/l	98
90) Hexachloroethane	14.114	117	63361	19.65	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	146758	20.90	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	10461	20.21	ug/l	77
93) 1,2,4-Trichlorobenzene	15.161	180	99688	20.71	ug/l	99
94) Hexachlorobutadiene	15.267	225	51813	19.42	ug/l	98
95) Naphthalene	15.402	128	185294	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	84938	20.92	ug/l	97

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

