

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068519.D
 Acq On : 04 Mar 2021 12:09
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2021 10:11:15 AM

Quant Time: Mar 04 23:59:59 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	310746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	515292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	465641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	220767	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	137243	44.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.40%		
35) Dibromofluoromethane	7.914	113	145922	47.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.02%		
50) Toluene-d8	10.338	98	571832	46.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.50%		
62) 4-Bromofluorobenzene	12.632	95	186212	46.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.46%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	55645	18.45	ug/l	96
3) Chloromethane	2.215	50	66836	17.54	ug/l	100
4) Vinyl Chloride	2.350	62	82803	18.30	ug/l	98
5) Bromomethane	2.756	94	61575	19.11	ug/l	94
6) Chloroethane	2.920	64	52509	17.94	ug/l	99
7) Trichlorofluoromethane	3.273	101	98761	19.13	ug/l	98
8) Diethyl Ether	3.709	74	28189	18.34	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.103	101	62057	19.73	ug/l	93
10) Methyl Iodide	4.303	142	60353	17.83	ug/l	94
11) Tert butyl alcohol	5.232	59	16335	98.54	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	60119	19.26	ug/l	93
13) Acrolein	3.920	56	19594	82.70	ug/l	98
14) Allyl chloride	4.714	41	72969	18.11	ug/l	96
15) Acrylonitrile	5.420	53	63662	98.14	ug/l	100
16) Acetone	4.156	43	46538	94.37	ug/l #	85
17) Carbon Disulfide	4.414	76	186674	18.26	ug/l	96
18) Methyl Acetate	4.732	43	21650	17.03	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	134312	19.85	ug/l	94
20) Methylene Chloride	4.967	84	81854	19.67	ug/l	93
21) trans-1,2-Dichloroethene	5.479	96	77270	20.74	ug/l	90
22) Diisopropyl ether	6.367	45	156899	17.68	ug/l #	96
23) Vinyl Acetate	6.308	43	398860	86.64	ug/l	100
24) 1,1-Dichloroethane	6.273	63	113497	18.66	ug/l	98
25) 2-Butanone	7.208	43	62534	88.21	ug/l	92
26) 2,2-Dichloropropane	7.208	77	95937	18.93	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	77705	19.00	ug/l	99
28) Bromochloromethane	7.544	49	41798	17.61	ug/l	87
29) Tetrahydrofuran	7.567	42	36999	80.38	ug/l	95
30) Chloroform	7.714	83	122626	19.09	ug/l	96
31) Cyclohexane	7.985	56	100926	17.87	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	105440	19.23	ug/l	96
36) 1,1-Dichloropropene	8.114	75	92812	18.95	ug/l	99
37) Ethyl Acetate	7.297	43	29123	17.92	ug/l #	83
38) Carbon Tetrachloride	8.097	117	93770	20.37	ug/l	97
39) Methylcyclohexane	9.355	83	116806	19.34	ug/l	98
40) Benzene	8.355	78	272252	19.38	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	16780	17.79	ug/l #	92
42) 1,2-Dichloroethane	8.426	62	69598	18.84	ug/l	99
43) Isopropyl Acetate	8.450	43	56218	18.82	ug/l	99
44) Trichloroethene	9.114	130	75161	19.49	ug/l	98
45) 1,2-Dichloropropane	9.385	63	65975	19.64	ug/l	95
46) Dibromomethane	9.479	93	35020	19.17	ug/l	96
47) Bromodichloromethane	9.667	83	90864	19.22	ug/l	99
48) Methyl methacrylate	9.455	41	28537	17.92	ug/l	93
49) 1,4-Dioxane	9.461	88	7282	349.45	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	143441	91.77	ug/l	96
52) Toluene	10.402	92	174121	19.41	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	82937	18.98	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	100319	18.82	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	48093	19.02	ug/l #	89
56) Ethyl methacrylate	10.661	69	53899	18.54	ug/l	98
57) 1,3-Dichloropropane	10.949	76	84165	19.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	127791	87.63	ug/l	94
59) 2-Hexanone	10.985	43	96396	92.53	ug/l	98
60) Dibromochloromethane	11.138	129	62174	19.86	ug/l	99
61) 1,2-Dibromoethane	11.243	107	48487	19.59	ug/l	99
64) Tetrachloroethene	10.879	164	63538	20.90	ug/l	97
65) Chlorobenzene	11.673	112	189889	20.03	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.743	131	67354	20.43	ug/l	98
67) Ethyl Benzene	11.743	91	337290	19.93	ug/l	96
68) m/p-Xylenes	11.849	106	256974	39.97	ug/l	97
69) o-Xylene	12.179	106	117565	19.86	ug/l	91
70) Styrene	12.196	104	199484	19.70	ug/l	99
71) Bromoform	12.361	173	35018	20.91	ug/l #	97
73) Isopropylbenzene	12.479	105	316834	19.35	ug/l	99
74) N-amyl acetate	12.290	43	50016	17.93	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	53373	18.95	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	38531m	19.66	ug/l	
77) Bromobenzene	12.761	156	73973	19.80	ug/l	96
78) n-propylbenzene	12.820	91	384572	19.66	ug/l	99
79) 2-Chlorotoluene	12.908	91	209241	19.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	265909	19.81	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	15896	18.93	ug/l	96
82) 4-Chlorotoluene	13.002	91	225570	19.74	ug/l	99
83) tert-Butylbenzene	13.220	119	227906	19.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	262795	19.55	ug/l	97
85) sec-Butylbenzene	13.402	105	323638	20.05	ug/l	98
86) p-Isopropyltoluene	13.514	119	295678	20.18	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	144104	19.97	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	144460	20.20	ug/l	98
89) n-Butylbenzene	13.843	91	274350	19.41	ug/l	98
90) Hexachloroethane	14.108	117	63812	21.91	ug/l	91
91) 1,2-Dichlorobenzene	13.884	146	129465	20.92	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8453	17.02	ug/l	95
93) 1,2,4-Trichlorobenzene	15.161	180	95091	19.89	ug/l	98
94) Hexachlorobutadiene	15.267	225	56200	21.18	ug/l	98
95) Naphthalene	15.396	128	157682	18.21	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	81685	19.73	ug/l	97

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

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