

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068456.D
 Acq On : 26 Feb 2021 14:17
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022621

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:05:36 AM

Quant Time: Feb 26 21:46:37 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	338897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	584173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	527337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	246838	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	154238	45.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.10%		
35) Dibromofluoromethane	7.920	113	163401	46.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.86%		
50) Toluene-d8	10.343	98	647055	46.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.32%		
62) 4-Bromofluorobenzene	12.632	95	212471	47.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.06%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	162415	49.38	ug/l	95
3) Chloromethane	2.209	50	203185	48.89	ug/l	98
4) Vinyl Chloride	2.350	62	241582	48.95	ug/l	99
5) Bromomethane	2.767	94	174907	49.77	ug/l	98
6) Chloroethane	2.926	64	151628	47.51	ug/l	99
7) Trichlorofluoromethane	3.279	101	277542	49.30	ug/l	98
8) Diethyl Ether	3.714	74	84537	50.43	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	167851	48.93	ug/l	94
10) Methyl Iodide	4.303	142	175180	43.09	ug/l	93
11) Tert butyl alcohol	5.220	59	41019	226.89	ug/l	97
12) 1,1-Dichloroethene	4.073	96	168253	49.43	ug/l	93
13) Acrolein	3.926	56	61339	237.39	ug/l	98
14) Allyl chloride	4.720	41	216437	49.25	ug/l	98
15) Acrylonitrile	5.426	53	178768	252.69	ug/l	97
16) Acetone	4.161	43	116344	216.32	ug/l #	83
17) Carbon Disulfide	4.414	76	548774	49.22	ug/l	99
18) Methyl Acetate	4.720	43	70203	50.64	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	359134	48.67	ug/l #	92
20) Methylene Chloride	4.973	84	196761	48.82	ug/l	93
21) trans-1,2-Dichloroethene	5.479	96	197457	48.59	ug/l	98
22) Diisopropyl ether	6.373	45	469547	48.52	ug/l #	91
23) Vinyl Acetate	6.308	43	1291484	257.23	ug/l	98
24) 1,1-Dichloroethane	6.267	63	325646	49.09	ug/l	99
25) 2-Butanone	7.214	43	188344	243.61	ug/l	99
26) 2,2-Dichloropropane	7.214	77	268753	48.63	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	218017	48.87	ug/l	96
28) Bromochloromethane	7.549	49	129548	50.04	ug/l	81
29) Tetrahydrofuran	7.567	42	123988	246.97	ug/l	99
30) Chloroform	7.714	83	335477	47.89	ug/l	98
31) Cyclohexane	7.985	56	293724	47.70	ug/l	95
32) 1,1,1-Trichloroethane	7.908	97	297056	49.68	ug/l	96
36) 1,1-Dichloropropene	8.114	75	271508	48.90	ug/l	97
37) Ethyl Acetate	7.297	43	89788	48.73	ug/l	97
38) Carbon Tetrachloride	8.102	117	256781	49.21	ug/l	98
39) Methylcyclohexane	9.355	83	348268	50.85	ug/l	98
40) Benzene	8.349	78	770093	48.35	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	57084m	53.38	ug/l	
42) 1,2-Dichloroethane	8.426	62	198135	47.31	ug/l	100
43) Isopropyl Acetate	8.455	43	172242	50.87	ug/l	98
44) Trichloroethene	9.114	130	215575	49.30	ug/l	98
45) 1,2-Dichloropropane	9.391	63	185025	48.59	ug/l	98
46) Dibromomethane	9.479	93	100303	48.42	ug/l	94
47) Bromodichloromethane	9.667	83	258484	48.24	ug/l	99
48) Methyl methacrylate	9.455	41	89442	49.55	ug/l	96
49) 1,4-Dioxane	9.461	88	23052	975.78	ug/l	95
51) 4-Methyl-2-Pentanone	10.232	43	443556	250.33	ug/l	100
52) Toluene	10.402	92	497651	48.92	ug/l	95
53) t-1,3-Dichloropropene	10.626	75	247607	50.00	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	291020	48.16	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	141733	49.44	ug/l	97
56) Ethyl methacrylate	10.661	69	167630	50.87	ug/l	96
57) 1,3-Dichloropropane	10.949	76	244998	48.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	409176	247.51	ug/l	92
59) 2-Hexanone	10.985	43	299616	253.68	ug/l	98
60) Dibromochloromethane	11.143	129	170394	48.01	ug/l	99
61) 1,2-Dibromoethane	11.249	107	137554	49.03	ug/l	99
64) Tetrachloroethene	10.879	164	169467	49.21	ug/l	98
65) Chlorobenzene	11.673	112	527992	49.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	186009	49.83	ug/l	98
67) Ethyl Benzene	11.743	91	958487	50.00	ug/l	98
68) m/p-Xylenes	11.855	106	734382	100.87	ug/l	100
69) o-Xylene	12.179	106	334168	49.84	ug/l	98
70) Styrene	12.196	104	579122	50.51	ug/l	99
71) Bromoform	12.361	173	94720	49.95	ug/l #	100
73) Isopropylbenzene	12.479	105	922252	50.38	ug/l	100
74) N-amyl acetate	12.290	43	158939	50.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	158244	50.24	ug/l	98
76) 1,2,3-Trichloropropane	12.784	75	107881m	49.23	ug/l	
77) Bromobenzene	12.761	156	200701	48.04	ug/l	89
78) n-propylbenzene	12.820	91	1092590	49.95	ug/l	98
79) 2-Chlorotoluene	12.908	91	600829	49.48	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	752489	50.15	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	49335	52.54	ug/l	95
82) 4-Chlorotoluene	13.002	91	631272	49.41	ug/l	98
83) tert-Butylbenzene	13.220	119	649852	50.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	753374	50.13	ug/l	97
85) sec-Butylbenzene	13.402	105	912893	50.59	ug/l	99
86) p-Isopropyltoluene	13.514	119	822956	50.24	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	396922	49.19	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	391883	49.02	ug/l	100
89) n-Butylbenzene	13.837	91	800812	50.68	ug/l	98
90) Hexachloroethane	14.108	117	161678	49.66	ug/l	89
91) 1,2-Dichlorobenzene	13.884	146	336555	48.63	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	27249	49.08	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	264979	49.57	ug/l	99
94) Hexachlorobutadiene	15.261	225	148414	50.02	ug/l	98
95) Naphthalene	15.396	128	503594	52.03	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	226502	48.94	ug/l	99

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

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