

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021221\
 Data File : VD068355.D
 Acq On : 12 Feb 2021 12:31
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 10:25:28 AM

Quant Time: Feb 12 12:50:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 12:24:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	429738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	732798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	679095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	310801	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	459122	109.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 218.42%#	
35) Dibromofluoromethane	7.920	113	470322	113.42	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 226.84%#	
50) Toluene-d8	10.344	98	1912719	113.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 227.76%#	
62) 4-Bromofluorobenzene	12.632	95	613255	104.29	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 208.58%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.985	85	344394	70.93	ug/l 97
3) Chloromethane	2.209	50	413987	77.86	ug/l 96
4) Vinyl Chloride	2.350	62	517476	87.01	ug/l 97
5) Bromomethane	2.756	94	359356	87.74	ug/l 99
6) Chloroethane	2.921	64	340439	92.77	ug/l 96
7) Trichlorofluoromethane	3.273	101	639214	82.43	ug/l 97
8) Diethyl Ether	3.709	74	198476	86.67	ug/l 96
9) 1,1,2-Trichlorotrifluo...	4.097	101	392901	86.44	ug/l 94
10) Methyl Iodide	4.303	142	441445	102.96	ug/l 94
11) Tert butyl alcohol	5.226	59	107761	201.89	ug/l # 74
12) 1,1-Dichloroethene	4.073	96	375296	82.52	ug/l 94
13) Acrolein	3.926	56	141360	443.81	ug/l 98
14) Allyl chloride	4.715	41	508160	77.98	ug/l 97
15) Acrylonitrile	5.420	53	432413	474.09	ug/l 98
16) Acetone	4.162	43	332605	462.34	ug/l 95
17) Carbon Disulfide	4.415	76	1073070	74.63	ug/l 100
18) Methyl Acetate	4.720	43	181997	97.26	ug/l 95
19) Methyl tert-butyl Ether	5.479	73	911155	86.94	ug/l # 91
20) Methylene Chloride	4.968	84	449730	77.97	ug/l 92
21) trans-1,2-Dichloroethene	5.473	96	441650	84.37	ug/l 93
22) Diisopropyl ether	6.367	45	1153849	86.68	ug/l 94
23) Vinyl Acetate	6.309	43	3159570	447.19	ug/l 98
24) 1,1-Dichloroethane	6.267	63	767567	88.11	ug/l 99
25) 2-Butanone	7.214	43	472646	440.89	ug/l 100
26) 2,2-Dichloropropane	7.214	77	655989	80.73	ug/l 99
27) cis-1,2-Dichloroethene	7.214	96	511129	89.60	ug/l 96
28) Bromochloromethane	7.550	49	340108	108.86	ug/l 81
29) Tetrahydrofuran	7.567	42	302338	437.42	ug/l 98
30) Chloroform	7.714	83	799337	90.38	ug/l 100
31) Cyclohexane	7.985	56	631921	74.25	ug/l 92
32) 1,1,1-Trichloroethane	7.903	97	690035	87.12	ug/l 96
36) 1,1-Dichloropropene	8.114	75	602329	84.21	ug/l 98
37) Ethyl Acetate	7.297	43	220028	87.05	ug/l 97
38) Carbon Tetrachloride	8.103	117	593756	88.44	ug/l 98
39) Methylcyclohexane	9.356	83	758676	81.98	ug/l 99
40) Benzene	8.356	78	1772436	88.28	ug/l 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	120891	79.85	ug/l	93
42) 1,2-Dichloroethane	8.426	62	479751	89.38	ug/l	99
43) Isopropyl Acetate	8.456	43	429632	82.40	ug/l	97
44) Trichloroethene	9.114	130	476332	86.48	ug/l	100
45) 1,2-Dichloropropane	9.391	63	437787	89.12	ug/l	99
46) Dibromomethane	9.479	93	235702	94.10	ug/l	93
47) Bromodichloromethane	9.667	83	619494	91.71	ug/l	99
48) Methyl methacrylate	9.456	41	218280	85.42	ug/l	96
49) 1,4-Dioxane	9.467	88	56047	1893.17	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	1103748	450.42	ug/l	99
52) Toluene	10.408	92	1163383	89.11	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	591322	87.56	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	702728	87.17	ug/l	99
55) 1,1,2-Trichloroethane	10.803	97	332799	93.63	ug/l	93
56) Ethyl methacrylate	10.661	69	415959	88.93	ug/l	98
57) 1,3-Dichloropropane	10.950	76	578576	92.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	1132135	507.20	ug/l	92
59) 2-Hexanone	10.985	43	755285	445.20	ug/l	99
60) Dibromochloromethane	11.144	129	414873	93.28	ug/l	99
61) 1,2-Dibromoethane	11.250	107	322909	92.39	ug/l	100
64) Tetrachloroethene	10.879	164	377223	81.38	ug/l	96
65) Chlorobenzene	11.673	112	1237669	88.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	445218	90.24	ug/l	97
67) Ethyl Benzene	11.744	91	2273772	87.63	ug/l	99
68) m/p-Xylenes	11.855	106	1717141	175.49	ug/l	100
69) o-Xylene	12.179	106	805600	88.55	ug/l	95
70) Styrene	12.197	104	1386898	89.40	ug/l	98
71) Bromoform	12.361	173	226177	90.00	ug/l #	99
73) Isopropylbenzene	12.479	105	2179848	86.51	ug/l	100
74) N-amyl acetate	12.285	43	408565	79.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	370596	91.68	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	279562m	96.13	ug/l	
77) Bromobenzene	12.761	156	479379	88.65	ug/l	90
78) n-propylbenzene	12.820	91	2602844	87.23	ug/l	97
79) 2-Chlorotoluene	12.908	91	1436474	85.91	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1778556	84.85	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	121933	85.38	ug/l	95
82) 4-Chlorotoluene	13.002	91	1513383	86.92	ug/l	97
83) tert-Butylbenzene	13.220	119	1579225	88.86	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1803813	86.69	ug/l	99
85) sec-Butylbenzene	13.402	105	2182075	87.35	ug/l	99
86) p-Isopropyltoluene	13.514	119	1994288	88.06	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	938127	89.87	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	913302	89.00	ug/l	99
89) n-Butylbenzene	13.844	91	1917200	88.22	ug/l	98
90) Hexachloroethane	14.108	117	365063	89.74	ug/l	89
91) 1,2-Dichlorobenzene	13.885	146	812815	90.95	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	54991	83.96	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	544447	89.26	ug/l	100
94) Hexachlorobutadiene	15.261	225	298806	88.16	ug/l	99
95) Naphthalene	15.396	128	1049728	91.61	ug/l	100
96) 1,2,3-Trichlorobenzene	15.591	180	471536	91.20	ug/l	98

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

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