

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071455.D
 Acq On : 22 Mar 2022 06:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 08:09:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	571294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	975589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	911720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	371113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	352525	45.024	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.040%		
35) Dibromofluoromethane	8.022	113	268919	43.682	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	87.360%		
50) Toluene-d8	10.439	98	1050571	42.384	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	84.760%		
62) 4-Bromofluorobenzene	12.727	95	369823	44.060	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	262745	41.964	ug/l	98
3) Chloromethane	2.299	50	375214	44.634	ug/l	96
4) Vinyl Chloride	2.440	62	352795	45.977	ug/l	98
5) Bromomethane	2.822	94	172807	50.493	ug/l	99
6) Chloroethane	2.993	64	239388	51.516	ug/l	98
7) Trichlorofluoromethane	3.363	101	477216	47.251	ug/l	97
8) Diethyl Ether	3.822	74	221760	51.312	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.204	101	275868	47.184	ug/l	95
10) Methyl Iodide	4.416	142	385324	46.662	ug/l	99
11) Tert butyl alcohol	5.363	59	434022	282.174	ug/l	98
12) 1,1-Dichloroethene	4.181	96	272824	47.635	ug/l	90
13) Acrolein	4.034	56	340696	209.268	ug/l	98
14) Allyl chloride	4.840	41	606949	48.724	ug/l #	85
15) Acrylonitrile	5.545	53	1213418	265.681	ug/l	98
16) Acetone	4.281	43	1034361	271.505	ug/l	96
17) Carbon Disulfide	4.528	76	651096	39.931	ug/l	98
18) Methyl Acetate	4.846	43	574320	56.074	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	1143891	53.195	ug/l	93
20) Methylene Chloride	5.093	84	344930	49.542	ug/l	90
21) trans-1,2-Dichloroethene	5.593	96	296699	47.360	ug/l	88
22) Diisopropyl ether	6.492	45	1289889	52.560	ug/l	91
23) Vinyl Acetate	6.428	43	5615365	270.277	ug/l	97
24) 1,1-Dichloroethane	6.381	63	653848	50.420	ug/l	99
25) 2-Butanone	7.328	43	1695433	276.263	ug/l	94
26) 2,2-Dichloropropane	7.322	77	387870	38.769	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	373820	50.277	ug/l	92
28) Bromochloromethane	7.651	49	250759	43.422	ug/l	82
29) Tetrahydrofuran	7.675	42	1136471	267.305	ug/l	91
30) Chloroform	7.816	83	635621	51.390	ug/l	97
31) Cyclohexane	8.092	56	567336	45.374	ug/l	92
32) 1,1,1-Trichloroethane	8.010	97	538615	51.123	ug/l	97
36) 1,1-Dichloropropene	8.216	75	456669	46.298	ug/l	97
37) Ethyl Acetate	7.404	43	654563	48.219	ug/l	98
38) Carbon Tetrachloride	8.204	117	450965	47.267	ug/l	99
39) Methylcyclohexane	9.457	83	525382	45.277	ug/l	94
40) Benzene	8.457	78	1418613	47.735	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	327491	49.296	ug/l	91
42) 1,2-Dichloroethane	8.522	62	511783	49.487	ug/l	100
43) Isopropyl Acetate	8.557	43	1023791	50.433	ug/l	97
44) Trichloroethene	9.210	130	334577	47.714	ug/l	96
45) 1,2-Dichloropropane	9.486	63	394760	49.483	ug/l	100
46) Dibromomethane	9.575	93	239754	48.827	ug/l	96
47) Bromodichloromethane	9.757	83	495305	49.914	ug/l	99
48) Methyl methacrylate	9.557	41	460167	48.915	ug/l #	87
49) 1,4-Dioxane	9.563	88	177973	1088.374	ug/l #	86
51) 4-Methyl-2-Pentanone	10.328	43	3413021	270.910	ug/l	100
52) Toluene	10.498	92	887418	48.492	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	530609	48.508	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	578310	48.386	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	359994	49.092	ug/l	99
56) Ethyl methacrylate	10.757	69	643941	53.772	ug/l	91
57) 1,3-Dichloropropane	11.039	76	652765	49.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	686344	270.254	ug/l	93
59) 2-Hexanone	11.080	43	2505159	291.434	ug/l	100
60) Dibromochloromethane	11.233	129	375892	51.590	ug/l	99
61) 1,2-Dibromoethane	11.339	107	365096	48.714	ug/l	100
64) Tetrachloroethene	10.975	164	276591	43.498	ug/l	99
65) Chlorobenzene	11.763	112	940057	48.012	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	354688	49.404	ug/l	99
67) Ethyl Benzene	11.839	91	1718313	49.634	ug/l	98
68) m/p-Xylenes	11.951	106	1277185	100.846	ug/l	97
69) o-Xylene	12.274	106	647712	51.021	ug/l	97
70) Styrene	12.292	104	1053140	53.592	ug/l	97
71) Bromoform	12.457	173	287466	52.725	ug/l #	99
73) Isopropylbenzene	12.574	105	1675492	46.835	ug/l	99
74) N-amyl acetate	12.380	43	727486	54.083	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	579629	54.767	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	448575m	49.864	ug/l	
77) Bromobenzene	12.857	156	386949	46.385	ug/l	80
78) n-propylbenzene	12.916	91	1854768	48.315	ug/l	97
79) 2-Chlorotoluene	13.004	91	1141888	46.338	ug/l	94
80) 1,3,5-Trimethylbenzene	13.051	105	1318532	47.373	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	160927	46.876	ug/l	94
82) 4-Chlorotoluene	13.098	91	1072506	48.861	ug/l	94
83) tert-Butylbenzene	13.321	119	1226916	49.395	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1303599	48.898	ug/l	100
85) sec-Butylbenzene	13.498	105	1626951	49.280	ug/l	99
86) p-Isopropyltoluene	13.610	119	1304436	50.240	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	634114	46.782	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	610470	46.074	ug/l	98
89) n-Butylbenzene	13.939	91	974529	47.988	ug/l	96
90) Hexachloroethane	14.204	117	251395	48.689	ug/l	89
91) 1,2-Dichlorobenzene	13.980	146	621323	47.679	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	109909	52.803	ug/l	88
93) 1,2,4-Trichlorobenzene	15.262	180	299453	49.282	ug/l	98
94) Hexachlorobutadiene	15.362	225	162117	44.315	ug/l	99
95) Naphthalene	15.498	128	974364	56.536	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	303165	51.922	ug/l	98

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

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