

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051822\
 Data File : VN072547.D
 Acq On : 18 May 2022 18:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 19 02:26:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	198331	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	295755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	279953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	132180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	151631	49.207	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.420%		
35) Dibromofluoromethane	8.016	113	104578	52.405	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.820%		
50) Toluene-d8	10.439	98	389139	51.517	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.040%		
62) 4-Bromofluorobenzene	12.727	95	145765	50.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	111169	48.964	ug/l	99
3) Chloromethane	2.299	50	93402	45.506	ug/l	96
4) Vinyl Chloride	2.440	62	90252	53.876	ug/l	99
5) Bromomethane	2.816	94	75876	48.255	ug/l	96
6) Chloroethane	2.981	64	62866	44.851	ug/l	98
7) Trichlorofluoromethane	3.358	101	198202	51.260	ug/l	98
8) Diethyl Ether	3.822	74	61111	53.222	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	94601	51.384	ug/l	95
10) Methyl Iodide	4.416	142	134953	57.387	ug/l	# 86
11) Tert butyl alcohol	5.369	59	83632	296.686	ug/l	99
12) 1,1-Dichloroethene	4.175	96	85600	52.890	ug/l	91
13) Acrolein	4.034	56	92104	235.479	ug/l	97
14) Allyl chloride	4.834	41	152118	55.258	ug/l	91
15) Acrylonitrile	5.546	53	273433	251.183	ug/l	98
16) Acetone	4.281	43	232195	248.581	ug/l	89
17) Carbon Disulfide	4.522	76	215575	51.435	ug/l	99
18) Methyl Acetate	4.852	43	127819	49.365	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	360872	53.993	ug/l	95
20) Methylene Chloride	5.093	84	102643	46.284	ug/l	98
21) trans-1,2-Dichloroethene	5.593	96	95271	52.528	ug/l	98
22) Diisopropyl ether	6.493	45	324194	53.482	ug/l	97
23) Vinyl Acetate	6.428	43	1437843	274.346	ug/l	97
24) 1,1-Dichloroethane	6.381	63	187118	50.755	ug/l	99
25) 2-Butanone	7.328	43	366345	249.433	ug/l	94
26) 2,2-Dichloropropane	7.316	77	187107	54.710	ug/l	94
27) cis-1,2-Dichloroethene	7.322	96	115529	51.723	ug/l	92
28) Bromochloromethane	7.651	49	74913	49.710	ug/l	98
29) Tetrahydrofuran	7.681	42	239951	269.969	ug/l	96
30) Chloroform	7.810	83	211290	50.078	ug/l	96
31) Cyclohexane	8.092	56	166870	48.719	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	206109	52.940	ug/l	98
36) 1,1-Dichloropropene	8.216	75	150530	55.409	ug/l	95
37) Ethyl Acetate	7.404	43	151008	50.582	ug/l	99
38) Carbon Tetrachloride	8.198	117	180589	53.706	ug/l	99
39) Methylcyclohexane	9.457	83	181252	57.166	ug/l	97
40) Benzene	8.457	78	406767	51.242	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	88679	61.919	ug/l #	86
42) 1,2-Dichloroethane	8.522	62	190751	51.784	ug/l	94
43) Isopropyl Acetate	8.557	43	255625	53.246	ug/l	96
44) Trichloroethene	9.210	130	113908	52.781	ug/l	95
45) 1,2-Dichloropropane	9.487	63	102385	52.469	ug/l	99
46) Dibromomethane	9.569	93	79618	53.971	ug/l	95
47) Bromodichloromethane	9.757	83	174884	56.884	ug/l	99
48) Methyl methacrylate	9.551	41	126589	55.378	ug/l	90
49) 1,4-Dioxane	9.563	88	23553	1183.540	ug/l #	88
51) 4-Methyl-2-Pentanone	10.328	43	780815	246.478	ug/l	94
52) Toluene	10.498	92	281406	54.673	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	182618	55.318	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	187001	57.376	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	108911	48.690	ug/l	97
56) Ethyl methacrylate	10.757	69	178510	53.294	ug/l	89
57) 1,3-Dichloropropane	11.039	76	195227	51.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.034	63	223919	273.816	ug/l	100
59) 2-Hexanone	11.081	43	561229	254.886	ug/l	94
60) Dibromochloromethane	11.233	129	136397	53.368	ug/l	99
61) 1,2-Dibromoethane	11.339	107	120469	51.933	ug/l	100
64) Tetrachloroethene	10.975	164	107533	55.351	ug/l	97
65) Chlorobenzene	11.763	112	302366	52.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	124174	53.907	ug/l	96
67) Ethyl Benzene	11.839	91	563437	56.742	ug/l	100
68) m/p-Xylenes	11.951	106	430925	112.724	ug/l	90
69) o-Xylene	12.275	106	211549	54.322	ug/l	93
70) Styrene	12.292	104	347990	58.038	ug/l	96
71) Bromoform	12.451	173	101294	57.142	ug/l #	99
73) Isopropylbenzene	12.575	105	564948	51.697	ug/l	98
74) N-amyl acetate	12.380	43	176724	48.549	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.822	83	160940	48.615	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	154625m	38.724	ug/l	
77) Bromobenzene	12.857	156	133037	47.525	ug/l	97
78) n-propylbenzene	12.916	91	644746	53.945	ug/l	99
79) 2-Chlorotoluene	13.004	91	395608	49.410	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	491041	51.811	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.622	75	50619	52.849	ug/l	88
82) 4-Chlorotoluene	13.098	91	393168	52.715	ug/l	97
83) tert-Butylbenzene	13.322	119	429139	53.312	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	481828	53.001	ug/l	95
85) sec-Butylbenzene	13.498	105	580450	55.526	ug/l	99
86) p-Isopropyltoluene	13.610	119	484693	56.380	ug/l	96
87) 1,3-Dichlorobenzene	13.610	146	235715	51.409	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	227958	51.114	ug/l	95
89) n-Butylbenzene	13.939	91	365290	56.132	ug/l	98
90) Hexachloroethane	14.204	117	80326	52.225	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	230931	50.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	35892	51.245	ug/l	88
93) 1,2,4-Trichlorobenzene	15.263	180	107508	53.502	ug/l	98
94) Hexachlorobutadiene	15.363	225	61866	49.021	ug/l	98
95) Naphthalene	15.504	128	316741	54.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	108152	52.182	ug/l	98

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

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