

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072586.D
 Acq On : 24 May 2022 14:16
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 24 14:57:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 24 14:54:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	146827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	224147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	208379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	89667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	76977	35.218	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	70.440%		
35) Dibromofluoromethane	8.016	113	67704	45.188	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.380%		
50) Toluene-d8	10.439	98	265380	46.639	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.280%		
62) 4-Bromofluorobenzene	12.727	95	87865	41.801	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	62674	37.638	ug/l	97
3) Chloromethane	2.293	50	76990	48.578	ug/l	98
4) Vinyl Chloride	2.440	62	65289	50.370	ug/l	99
5) Bromomethane	2.810	94	35978	31.795	ug/l	99
6) Chloroethane	2.987	64	41049	29.344	ug/l	97
7) Trichlorofluoromethane	3.357	101	110242	38.499	ug/l	99
8) Diethyl Ether	3.822	74	45474	51.386	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.198	101	64540	46.040	ug/l	97
10) Methyl Iodide	4.416	142	87195	48.908	ug/l	97
11) Tert butyl alcohol	5.363	59	74381	323.816	ug/l	97
12) 1,1-Dichloroethene	4.175	96	61517	49.603	ug/l	94
13) Acrolein	4.034	56	45399	163.729	ug/l	98
14) Allyl chloride	4.834	41	115727	55.054	ug/l	91
15) Acrylonitrile	5.545	53	249680	294.865	ug/l	98
16) Acetone	4.275	43	183113	253.518	ug/l	99
17) Carbon Disulfide	4.522	76	156867	49.210	ug/l	98
18) Methyl Acetate	4.845	43	106692	48.746	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	228922	46.254	ug/l	100
20) Methylene Chloride	5.093	84	79799	47.482	ug/l	94
21) trans-1,2-Dichloroethene	5.592	96	68915	50.443	ug/l	96
22) Diisopropyl ether	6.492	45	254672	54.864	ug/l	95
23) Vinyl Acetate	6.428	43	1104606	276.220	ug/l	97
24) 1,1-Dichloroethane	6.381	63	134934	48.624	ug/l	100
25) 2-Butanone	7.328	43	331701	288.910	ug/l	95
26) 2,2-Dichloropropane	7.322	77	102129	40.709	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	85990	50.435	ug/l	97
28) Bromochloromethane	7.651	49	54178	48.220	ug/l	92
29) Tetrahydrofuran	7.675	42	215994	311.037	ug/l	94
30) Chloroform	7.810	83	139239	44.351	ug/l	98
31) Cyclohexane	8.092	56	123386	47.509	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	118597	41.651	ug/l	97
36) 1,1-Dichloropropene	8.216	75	99525	47.879	ug/l	100
37) Ethyl Acetate	7.404	43	126207	53.218	ug/l	98
38) Carbon Tetrachloride	8.198	117	104669	41.302	ug/l	97
39) Methylcyclohexane	9.457	83	128741	51.966	ug/l	98
40) Benzene	8.457	78	319358	51.693	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	72294	62.803	ug/l #	81
42) 1,2-Dichloroethane	8.522	62	105579	38.342	ug/l	100
43) Isopropyl Acetate	8.557	43	195123	52.293	ug/l	99
44) Trichloroethene	9.210	130	83381	49.548	ug/l	96
45) 1,2-Dichloropropane	9.486	63	82868	53.716	ug/l	98
46) Dibromomethane	9.569	93	56344	49.317	ug/l	98
47) Bromodichloromethane	9.757	83	110820	47.292	ug/l	97
48) Methyl methacrylate	9.551	41	93344	52.416	ug/l	97
49) 1,4-Dioxane	9.563	88	35300	1824.952	ug/l	97
51) 4-Methyl-2-Pentanone	10.327	43	660959	269.396	ug/l	97
52) Toluene	10.498	92	206474	52.179	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	119670	47.906	ug/l	99
54) cis-1,3-Dichloropropene	10.180	75	132083	52.608	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	87397	50.845	ug/l	99
56) Ethyl methacrylate	10.757	69	139334	54.310	ug/l	96
57) 1,3-Dichloropropane	11.039	76	144134	49.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	301399	424.043	ug/l	97
59) 2-Hexanone	11.080	43	470804	275.402	ug/l	97
60) Dibromochloromethane	11.233	129	94451	48.572	ug/l	99
61) 1,2-Dibromoethane	11.339	107	90801	51.033	ug/l	100
64) Tetrachloroethene	10.974	164	75456	50.710	ug/l	98
65) Chlorobenzene	11.763	112	217727	50.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	86195	49.437	ug/l	98
67) Ethyl Benzene	11.839	91	396905	52.677	ug/l	99
68) m/p-Xylenes	11.951	106	303436	105.082	ug/l	99
69) o-Xylene	12.274	106	150102	51.150	ug/l	99
70) Styrene	12.286	104	245529	54.331	ug/l	98
71) Bromoform	12.451	173	71428	52.573	ug/l #	100
73) Isopropylbenzene	12.574	105	387157	51.539	ug/l	100
74) N-amyl acetate	12.380	43	147787	57.175	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	126326	53.543	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	123318m	46.820	ug/l	
77) Bromobenzene	12.857	156	95399	49.098	ug/l	97
78) n-propylbenzene	12.916	91	439760	53.424	ug/l	99
79) 2-Chlorotoluene	13.004	91	259375	47.851	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	307598	48.227	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	41498	60.087	ug/l	92
82) 4-Chlorotoluene	13.098	91	243380	48.053	ug/l	98
83) tert-Butylbenzene	13.316	119	288333	51.777	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	303352	48.805	ug/l	100
85) sec-Butylbenzene	13.498	105	391310	53.844	ug/l	100
86) p-Isopropyltoluene	13.610	119	317547	53.479	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	159834	50.293	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	155158	50.356	ug/l	98
89) n-Butylbenzene	13.939	91	251884	55.935	ug/l	99
90) Hexachloroethane	14.204	117	56198	52.952	ug/l	94
91) 1,2-Dichlorobenzene	13.980	146	154821	49.060	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	23387	49.632	ug/l	93
93) 1,2,4-Trichlorobenzene	15.257	180	88097	62.537	ug/l	99
94) Hexachlorobutadiene	15.362	225	47104	53.819	ug/l	98
95) Naphthalene	15.498	128	298830	71.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	91361	62.594	ug/l	100

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

