

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072589.D
 Acq On : 24 May 2022 15:31
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052422

Manual Integrations
 APPROVED

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

Quant Time: May 25 09:19:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	133506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	205917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	199481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	90082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	74123	48.808	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.620%		
35) Dibromofluoromethane	8.016	113	66169	49.579	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.160%		
50) Toluene-d8	10.439	98	258803	50.786	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.580%		
62) 4-Bromofluorobenzene	12.722	95	93690	56.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.063	85	57517	45.726	ug/l	100
3) Chloromethane	2.293	50	82663	57.738	ug/l	98
4) Vinyl Chloride	2.434	62	66814	53.757	ug/l	98
5) Bromomethane	2.810	94	39251	56.029	ug/l	98
6) Chloroethane	2.987	64	43055	58.127	ug/l	99
7) Trichlorofluoromethane	3.357	101	89774	42.695	ug/l	99
8) Diethyl Ether	3.822	74	39029	46.480	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.204	101	55653	43.795	ug/l	99
10) Methyl Iodide	4.410	142	67815	45.345	ug/l	97
11) Tert butyl alcohol	5.363	59	70465	246.407	ug/l	98
12) 1,1-Dichloroethene	4.175	96	51839	44.075	ug/l	98
13) Acrolein	4.028	56	37206	213.401	ug/l	99
14) Allyl chloride	4.834	41	107133	48.925	ug/l	93
15) Acrylonitrile	5.540	53	218375	240.144	ug/l	100
16) Acetone	4.275	43	188456	252.468	ug/l	100
17) Carbon Disulfide	4.516	76	134601	45.157	ug/l	99
18) Methyl Acetate	4.840	43	99318	48.865	ug/l	92
19) Methyl tert-butyl Ether	5.604	73	192778	46.320	ug/l	99
20) Methylene Chloride	5.087	84	67350	45.031	ug/l	93
21) trans-1,2-Dichloroethene	5.593	96	55971	43.977	ug/l	98
22) Diisopropyl ether	6.487	45	225741	48.516	ug/l	94
23) Vinyl Acetate	6.422	43	1000980	253.305	ug/l #	93
24) 1,1-Dichloroethane	6.381	63	117268	46.728	ug/l	99
25) 2-Butanone	7.328	43	352984	280.251	ug/l	95
26) 2,2-Dichloropropane	7.322	77	102730	53.163	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	85155	53.035	ug/l	98
28) Bromochloromethane	7.651	49	52906	51.101	ug/l	93
29) Tetrahydrofuran	7.675	42	224383	286.316	ug/l	92
30) Chloroform	7.810	83	136556	51.763	ug/l	99
31) Cyclohexane	8.092	56	124662	51.821	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	113486	51.362	ug/l	99
36) 1,1-Dichloropropene	8.216	75	99125	52.498	ug/l	100
37) Ethyl Acetate	7.404	43	130201	52.751	ug/l	98
38) Carbon Tetrachloride	8.198	117	99998	50.172	ug/l	98
39) Methylcyclohexane	9.457	83	128365	55.172	ug/l	100
40) Benzene	8.457	78	319915	52.507	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	65893	53.059	ug/l	90
42) 1,2-Dichloroethane	8.522	62	100067	50.692	ug/l	98
43) Isopropyl Acetate	8.557	43	199218	56.920	ug/l	97
44) Trichloroethene	9.210	130	80696	51.509	ug/l	96
45) 1,2-Dichloropropane	9.481	63	82786	52.359	ug/l	98
46) Dibromomethane	9.569	93	55550	52.638	ug/l	99
47) Bromodichloromethane	9.757	83	108097	52.563	ug/l	99
48) Methyl methacrylate	9.557	41	97088	57.027	ug/l	95
49) 1,4-Dioxane	9.563	88	41092	1264.662	ug/l	99
51) 4-Methyl-2-Pentanone	10.328	43	693752	289.543	ug/l	95
52) Toluene	10.498	92	209345	54.258	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	120204	57.180	ug/l	99
54) cis-1,3-Dichloropropene	10.180	75	130109	54.963	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	82136	51.312	ug/l	97
56) Ethyl methacrylate	10.757	69	140479	56.973	ug/l	94
57) 1,3-Dichloropropane	11.039	76	146468	54.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	317330	300.777	ug/l	95
59) 2-Hexanone	11.080	43	529784	311.894	ug/l	95
60) Dibromochloromethane	11.233	129	91033	53.131	ug/l	98
61) 1,2-Dibromoethane	11.339	107	84116	50.402	ug/l	98
64) Tetrachloroethene	10.975	164	70577	47.888	ug/l	94
65) Chlorobenzene	11.763	112	222167	49.775	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	84627	50.147	ug/l	98
67) Ethyl Benzene	11.839	91	403761	53.143	ug/l	100
68) m/p-Xylenes	11.945	106	314009	108.430	ug/l	100
69) o-Xylene	12.274	106	155857	55.673	ug/l	99
70) Styrene	12.286	104	256244	56.560	ug/l	98
71) Bromoform	12.451	173	76712	55.304	ug/l #	98
73) Isopropylbenzene	12.574	105	404593	50.421	ug/l	99
74) N-amyl acetate	12.380	43	157890	54.818	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	135471	47.807	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	98434m	40.248	ug/l	
77) Bromobenzene	12.857	156	100720	50.598	ug/l	99
78) n-propylbenzene	12.916	91	471083	52.946	ug/l	100
79) 2-Chlorotoluene	13.004	91	278002	50.576	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	331095	53.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	45667	54.797	ug/l	92
82) 4-Chlorotoluene	13.098	91	267487	53.215	ug/l	98
83) tert-Butylbenzene	13.316	119	310988	53.506	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	329353	53.812	ug/l	100
85) sec-Butylbenzene	13.498	105	430776	55.423	ug/l	99
86) p-Isopropyltoluene	13.610	119	350158	57.138	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	175926	52.365	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	169080	51.297	ug/l	99
89) n-Butylbenzene	13.933	91	278520	56.327	ug/l	98
90) Hexachloroethane	14.204	117	57329	47.320	ug/l	97
91) 1,2-Dichlorobenzene	13.980	146	158895	49.374	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	20232	41.883	ug/l	98
93) 1,2,4-Trichlorobenzene	15.257	180	71577	42.225	ug/l	100
94) Hexachlorobutadiene	15.363	225	37154	37.142	ug/l	99
95) Naphthalene	15.498	128	243821	43.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	74012	40.780	ug/l	99

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

