

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072447.D
 Acq On : 12 May 2022 12:55
 Operator : JC\MD
 Sample : N2791-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BEM-MW-04MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:42:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	193306	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	298046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	284615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	138536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	153607	51.880	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.760%			
35) Dibromofluoromethane	8.016	113	105669	53.290	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.580%			
50) Toluene-d8	10.439	98	387570	51.321	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.727	95	147512	58.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 117.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	116212	48.204	ug/l	98
3) Chloromethane	2.299	50	100474	44.381	ug/l	98
4) Vinyl Chloride	2.446	62	86897	42.331	ug/l	96
5) Bromomethane	2.846	94	44515	36.423	ug/l	97
6) Chloroethane	3.010	64	49862	46.256	ug/l	98
7) Trichlorofluoromethane	3.375	101	192576	50.616	ug/l	100
8) Diethyl Ether	3.828	74	63408	46.197	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.216	101	98356	47.377	ug/l	98
10) Methyl Iodide	4.416	142	17364	6.310	ug/l	# 82
11) Tert butyl alcohol	5.357	59	119580	247.000	ug/l	100
12) 1,1-Dichloroethene	4.187	96	85606	44.008	ug/l	86
13) Acrolein	4.040	56	97654	206.165	ug/l	97
14) Allyl chloride	4.840	41	164534	45.429	ug/l	93
15) Acrylonitrile	5.545	53	297175	225.893	ug/l	99
16) Acetone	4.281	43	533149	454.682	ug/l	95
17) Carbon Disulfide	4.534	76	213979	42.415	ug/l	99
18) Methyl Acetate	4.851	43	155952	45.172	ug/l	94
19) Methyl tert-butyl Ether	5.610	73	366958	52.201	ug/l	97
20) Methylene Chloride	5.092	84	103527	43.060	ug/l	88
21) trans-1,2-Dichloroethene	5.598	96	92083	45.246	ug/l	91
22) Diisopropyl ether	6.492	45	334325	45.428	ug/l	98
23) Vinyl Acetate	6.428	43	1462377	237.477	ug/l	97
24) 1,1-Dichloroethane	6.381	63	184437	44.410	ug/l	99
25) 2-Butanone	7.328	43	458234	247.612	ug/l	94
26) 2,2-Dichloropropane	7.328	77	176788	50.656	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	113289	46.303	ug/l	93
28) Bromochloromethane	7.657	49	79791	45.249	ug/l	97
29) Tetrahydrofuran	7.681	42	270551	224.947	ug/l	93
30) Chloroform	7.816	83	203187	48.091	ug/l	100
31) Cyclohexane	8.092	56	163845	41.762	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	194407	50.166	ug/l	99
36) 1,1-Dichloropropene	8.222	75	145065	50.936	ug/l	97
37) Ethyl Acetate	7.404	43	167472	49.011	ug/l	95
38) Carbon Tetrachloride	8.204	117	176168	55.269	ug/l	98
39) Methylcyclohexane	9.457	83	174655	54.566	ug/l	94
40) Benzene	8.457	78	418066	49.139	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	91544	54.106	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	183053	53.531	ug/l	94
43) Isopropyl Acetate	8.551	43	268712	51.198	ug/l	95
44) Trichloroethene	9.216	130	107901	49.959	ug/l	99
45) 1,2-Dichloropropane	9.486	63	109449	50.374	ug/l	97
46) Dibromomethane	9.575	93	79711	52.689	ug/l	95
47) Bromodichloromethane	9.757	83	169435	54.936	ug/l	98
48) Methyl methacrylate	9.557	41	121903	49.782	ug/l	95
49) 1,4-Dioxane	9.563	88	43744	1047.219	ug/l #	95
51) 4-Methyl-2-Pentanone	10.327	43	879349	269.817	ug/l	94
52) Toluene	10.504	92	270002	51.467	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	182486	58.127	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	181651	54.232	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	109834	50.257	ug/l	98
56) Ethyl methacrylate	10.757	69	180575	57.651	ug/l	88
57) 1,3-Dichloropropane	11.039	76	192167	51.637	ug/l	100
59) 2-Hexanone	11.080	43	649396	284.175	ug/l	92
60) Dibromochloromethane	11.233	129	132246	56.964	ug/l	100
61) 1,2-Dibromoethane	11.339	107	116775	53.615	ug/l	100
64) Tetrachloroethene	10.974	164	92801	45.299	ug/l	97
65) Chlorobenzene	11.769	112	290812	50.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	117524	50.495	ug/l	97
67) Ethyl Benzene	11.839	91	536520	53.476	ug/l	97
68) m/p-Xylenes	11.945	106	413103	108.563	ug/l	92
69) o-Xylene	12.274	106	204203	54.619	ug/l	92
70) Styrene	12.292	104	254783	44.546	ug/l	94
71) Bromoform	12.457	173	98576	57.416	ug/l #	99
73) Isopropylbenzene	12.574	105	531471	46.309	ug/l	98
74) N-amyl acetate	12.380	43	225351	55.551	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.821	83	166844	40.044	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	152920m	42.321	ug/l	
77) Bromobenzene	12.857	156	127183	46.320	ug/l	97
78) n-propylbenzene	12.916	91	605352	49.293	ug/l	99
79) 2-Chlorotoluene	13.004	91	371335	46.027	ug/l	95
80) 1,3,5-Trimethylbenzene	13.051	105	434910	46.270	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.621	75	53433	49.333	ug/l	92
82) 4-Chlorotoluene	13.098	91	371351	48.569	ug/l	96
83) tert-Butylbenzene	13.315	119	406030	49.344	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	421678	46.118	ug/l	95
85) sec-Butylbenzene	13.498	105	554475	50.526	ug/l	99
86) p-Isopropyltoluene	13.610	119	421727	49.335	ug/l	96
87) 1,3-Dichlorobenzene	13.610	146	234755	49.575	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	233225	49.508	ug/l	97
89) n-Butylbenzene	13.939	91	368948	56.463	ug/l	98
90) Hexachloroethane	14.204	117	90349	52.891	ug/l	90
91) 1,2-Dichlorobenzene	13.980	146	232982	49.262	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	40318	55.648	ug/l	86
93) 1,2,4-Trichlorobenzene	15.257	180	124912	69.723	ug/l	98
94) Hexachlorobutadiene	15.362	225	68249	57.536	ug/l	98
95) Naphthalene	15.498	128	407872	60.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	121577	67.717	ug/l	99

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

