

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072426.D
 Acq On : 11 May 2022 18:53
 Operator : JC\MD
 Sample : N2791-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BEM-MW-04MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/12/2022

Quant Time: May 12 02:15:15 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	8.080	168	201357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	325054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	304498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	135833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	156433	50.722	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.440%			
35) Dibromofluoromethane	8.075	113	242	0.112	ug/l	0.06
Spiked Amount 50.000	Range 69 - 133		Recovery = 0.220%#			
50) Toluene-d8	10.439	98	423520	51.422	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.727	95	151134	55.254	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	120942	48.160	ug/l	99
3) Chloromethane	2.298	50	107360	45.561	ug/l	96
4) Vinyl Chloride	2.440	62	90220	42.193	ug/l	100
5) Bromomethane	2.828	94	53246	41.825	ug/l	98
6) Chloroethane	3.004	64	53383	47.584	ug/l	99
7) Trichlorofluoromethane	3.369	101	194068	48.968	ug/l	96
8) Diethyl Ether	3.822	74	65939	46.120	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.216	101	100274	46.369	ug/l	98
10) Methyl Iodide	4.422	142	132297	46.150	ug/l #	87
11) Tert butyl alcohol	5.375	59	127002	251.842	ug/l	99
12) 1,1-Dichloroethene	4.181	96	145754	71.933	ug/l	86
13) Acrolein	4.051	56	11233	22.767	ug/l	97
14) Allyl chloride	4.839	41	165475	43.862	ug/l	94
15) Acrylonitrile	5.551	53	282094	205.856	ug/l	98
16) Acetone	4.281	43	644245	527.459	ug/l	92
17) Carbon Disulfide	4.528	76	98653	18.773	ug/l	98
19) Methyl tert-butyl Ether	5.616	73	363166	49.596	ug/l	96
20) Methylene Chloride	5.092	84	108237	43.219	ug/l	92
21) trans-1,2-Dichloroethene	5.598	96	98219	46.332	ug/l	94
22) Diisopropyl ether	6.492	45	323005	42.135	ug/l	93
24) 1,1-Dichloroethane	6.386	63	197643	45.687	ug/l	98
25) 2-Butanone	7.328	43	532777	276.381	ug/l	94
26) 2,2-Dichloropropane	7.328	77	157708	43.382	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	115687	45.393	ug/l	90
28) Bromochloromethane	7.657	49	86672	47.186	ug/l	90
29) Tetrahydrofuran	7.680	42	285695	228.041	ug/l	92
30) Chloroform	7.816	83	207158	47.070	ug/l	100
31) Cyclohexane	8.092	56	174249	42.638	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	197533	48.935	ug/l	99
36) 1,1-Dichloropropene	8.216	75	151171	48.670	ug/l	96
38) Carbon Tetrachloride	8.204	117	176983	50.911	ug/l	97
39) Methylcyclohexane	9.457	83	177721	50.911	ug/l	96
40) Benzene	8.457	78	442095	47.646	ug/l	98
41) Methacrylonitrile	7.633	41	88814	48.131	ug/l #	87
42) 1,2-Dichloroethane	8.527	62	179899	48.237	ug/l	97
44) Trichloroethene	9.216	130	215119	91.326	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072426.D
 Acq On : 11 May 2022 18:53
 Operator : JC\MD
 Sample : N2791-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BEM-MW-04MSD

Quant Time: May 12 02:15:15 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

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/12/2022
 Supervised By :Mahesh Dadoda 05/12/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	9.486	63	111537	47.069	ug/l	99
46) Dibromomethane	9.574	93	79137	47.963	ug/l	95
47) Bromodichloromethane	9.757	83	116044	34.499	ug/l	96
49) 1,4-Dioxane	9.569	88	47400	1040.459	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	901601	253.659	ug/l	95
52) Toluene	10.504	92	288104	50.355	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	172125	50.271	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	173210	47.415	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	33555	14.078	ug/l	99
57) 1,3-Dichloropropane	11.039	76	198846	48.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	308740	328.484	ug/l	97
59) 2-Hexanone	11.080	43	691076	277.288	ug/l	91
60) Dibromochloromethane	11.233	129	107136	42.314	ug/l	96
61) 1,2-Dibromoethane	11.345	107	116443	49.021	ug/l	99
64) Tetrachloroethene	10.974	164	177108	80.806	ug/l	93
65) Chlorobenzene	11.768	112	297235	47.778	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	98648	39.617	ug/l	96
67) Ethyl Benzene	11.839	91	558546	52.036	ug/l	98
68) m/p-Xylenes	11.951	106	436371	107.190	ug/l	95
69) o-Xylene	12.274	106	218286	54.573	ug/l	96
70) Styrene	12.292	104	336407	54.976	ug/l	96
71) Bromoform	12.457	173	91061	49.576	ug/l #	97
73) Isopropylbenzene	12.574	105	548308	48.727	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	143304m	40.449	ug/l	
77) Bromobenzene	12.857	156	128105	47.584	ug/l	98
78) n-propylbenzene	12.915	91	613054	50.913	ug/l	98
79) 2-Chlorotoluene	13.004	91	379137	47.929	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	465373	50.496	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	45116	42.483	ug/l	93
82) 4-Chlorotoluene	13.098	91	364614	48.637	ug/l	97
83) tert-Butylbenzene	13.321	119	406988	50.444	ug/l	94
84) 1,2,4-Trimethylbenzene	13.362	105	472185	52.669	ug/l	97
85) sec-Butylbenzene	13.498	105	550936	51.203	ug/l	99
86) p-Isopropyltoluene	13.610	119	462031	55.125	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	223960	48.236	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	218921	47.396	ug/l	99
89) n-Butylbenzene	13.939	91	360775	56.311	ug/l	98
90) Hexachloroethane	14.204	117	79347	47.374	ug/l	94
91) 1,2-Dichlorobenzene	13.986	146	225140	48.551	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	12818	18.044	ug/l	81
93) 1,2,4-Trichlorobenzene	15.256	180	111554	63.506	ug/l	99
94) Hexachlorobutadiene	15.362	225	59224	50.921	ug/l	99
95) Naphthalene	15.504	128	431512	65.421	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	115856	65.815	ug/l	98

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

