

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072424.D
 Acq On : 11 May 2022 18:04
 Operator : JC\MD
 Sample : N2763-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-20220509MSD

Quant Time: May 12 02:14:18 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)

Internal Standards						
1) Pentafluorobenzene	8.087	168	194479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	320583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	298797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	137376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	150388	50.487	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.980%			
35) Dibromofluoromethane	8.022	113	108556	50.898	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.800%			
50) Toluene-d8	10.439	98	409765	50.446	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.727	95	147678	54.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	122007	50.302	ug/l	96
3) Chloromethane	2.299	50	110404	48.597	ug/l	99
4) Vinyl Chloride	2.440	62	95015	46.007	ug/l	98
5) Bromomethane	2.828	94	55418	45.070	ug/l	99
6) Chloroethane	2.999	64	52214	48.207	ug/l	100
7) Trichlorofluoromethane	3.363	101	201313	52.593	ug/l	94
8) Diethyl Ether	3.828	74	66472	48.137	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.205	101	100856	48.288	ug/l	99
10) Methyl Iodide	4.422	142	135906	49.086	ug/l #	86
11) Tert butyl alcohol	5.369	59	111982	229.911	ug/l	100
12) 1,1-Dichloroethene	4.187	96	93361	47.705	ug/l	92
13) Acrolein	4.040	56	109235	229.224	ug/l	99
14) Allyl chloride	4.840	41	170607	46.822	ug/l	94
15) Acrylonitrile	5.551	53	314223	237.412	ug/l	98
16) Acetone	4.287	43	283710	240.495	ug/l	95
17) Carbon Disulfide	4.534	76	237052	46.705	ug/l	98
18) Methyl Acetate	4.857	43	156249	44.985	ug/l	93
19) Methyl tert-butyl Ether	5.610	73	366681	51.847	ug/l	99
20) Methylene Chloride	5.093	84	109152	45.126	ug/l	91
21) trans-1,2-Dichloroethene	5.599	96	99205	48.452	ug/l	97
22) Diisopropyl ether	6.493	45	345009	46.596	ug/l	95
23) Vinyl Acetate	6.428	43	1453127	234.552	ug/l	94
24) 1,1-Dichloroethane	6.387	63	200151	47.903	ug/l	98
25) 2-Butanone	7.334	43	433913	233.055	ug/l	95
26) 2,2-Dichloropropane	7.328	77	155167	44.193	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	120693	49.032	ug/l	94
28) Bromochloromethane	7.657	49	84394	47.571	ug/l	92
29) Tetrahydrofuran	7.681	42	290893	240.401	ug/l	93
30) Chloroform	7.816	83	215350	50.662	ug/l	97
31) Cyclohexane	8.092	56	175026	44.343	ug/l	95
32) 1,1,1-Trichloroethane	8.016	97	206975	53.087	ug/l	98
36) 1,1-Dichloropropene	8.222	75	151820	49.560	ug/l	98
37) Ethyl Acetate	7.410	43	171484	46.657	ug/l	98
38) Carbon Tetrachloride	8.204	117	182116	53.119	ug/l	98
39) Methylcyclohexane	9.457	83	177585	51.581	ug/l	94
40) Benzene	8.457	78	442875	48.395	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	91592	50.328	ug/l	89
42) 1,2-Dichloroethane	8.528	62	184493	50.159	ug/l	95
43) Isopropyl Acetate	8.557	43	267411	47.368	ug/l	97
44) Trichloroethene	9.210	130	113733	48.958	ug/l	97
45) 1,2-Dichloropropane	9.486	63	112579	48.172	ug/l	97
46) Dibromomethane	9.575	93	81725	50.222	ug/l	94
47) Bromodichloromethane	9.757	83	171723	51.764	ug/l	99
48) Methyl methacrylate	9.557	41	138934	52.748	ug/l	88
49) 1,4-Dioxane	9.563	88	47717	1062.025	ug/l #	95
51) 4-Methyl-2-Pentanone	10.328	43	891671	254.364	ug/l	94
52) Toluene	10.504	92	286127	50.707	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	175424	51.949	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	179715	49.882	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	116760	49.670	ug/l	98
56) Ethyl methacrylate	10.757	69	183351	54.422	ug/l #	88
57) 1,3-Dichloropropane	11.039	76	197189	49.261	ug/l	100
59) 2-Hexanone	11.081	43	652734	265.556	ug/l	92
60) Dibromochloromethane	11.233	129	134004	53.663	ug/l	99
61) 1,2-Dibromoethane	11.339	107	121483	51.856	ug/l	100
64) Tetrachloroethene	10.975	164	100823	46.879	ug/l	95
65) Chlorobenzene	11.769	112	302452	49.544	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	121512	49.730	ug/l	97
67) Ethyl Benzene	11.839	91	562157	53.372	ug/l	99
68) m/p-Xylenes	11.951	106	423544	106.024	ug/l	94
69) o-Xylene	12.275	106	208835	53.206	ug/l	93
70) Styrene	12.292	104	331044	55.132	ug/l	96
71) Bromoform	12.451	173	97253	53.957	ug/l #	99
73) Isopropylbenzene	12.575	105	548669	48.211	ug/l	99
74) N-amyl acetate	12.380	43	183084	45.513	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.822	83	170846	41.351	ug/l	99
76) 1,2,3-Trichloropropane	12.875	75	159047m	44.389	ug/l	
77) Bromobenzene	12.857	156	130405	47.894	ug/l	97
78) n-propylbenzene	12.916	91	603401	49.549	ug/l	99
79) 2-Chlorotoluene	13.004	91	382128	47.765	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	467051	50.109	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.622	75	49327	45.927	ug/l #	81
82) 4-Chlorotoluene	13.098	91	365360	48.189	ug/l	97
83) tert-Butylbenzene	13.316	119	414123	50.752	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	462123	50.968	ug/l	96
85) sec-Butylbenzene	13.498	105	550446	50.582	ug/l	99
86) p-Isopropyltoluene	13.610	119	453256	53.471	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	227936	48.541	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	220856	47.278	ug/l	97
89) n-Butylbenzene	13.939	91	340425	52.538	ug/l	98
90) Hexachloroethane	14.204	117	81139	47.900	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	226946	48.391	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	37826	52.650	ug/l	87
93) 1,2,4-Trichlorobenzene	15.257	180	104206	58.657	ug/l	97
94) Hexachlorobutadiene	15.363	225	56575	48.097	ug/l	98
95) Naphthalene	15.504	128	330390	50.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	106189	59.646	ug/l	97

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

