

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073185.D
 Acq On : 28 Jun 2022 01:48
 Operator : JC\MD
 Sample : VN0627WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBS02

Quant Time: Jun 28 06:44:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2022
 Supervised By : Mahesh Dadoda 06/30/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	278857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	491312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	433344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	198053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	206881	54.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.740%			
35) Dibromofluoromethane	7.951	113	161524	53.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.380%			
50) Toluene-d8	10.380	98	593967	52.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.669	95	216005	53.161	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	47189	17.773	ug/l	95
3) Chloromethane	2.269	50	47086	16.879	ug/l	94
4) Vinyl Chloride	2.404	62	44591	18.727	ug/l	95
5) Bromomethane	2.810	94	20365	21.727	ug/l	97
6) Chloroethane	2.975	64	27172	18.241	ug/l	98
7) Trichlorofluoromethane	3.322	101	85911	22.156	ug/l	95
8) Diethyl Ether	3.769	74	37785	18.882	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.146	101	51382	19.170	ug/l	98
10) Methyl Iodide	4.351	142	53304	17.351	ug/l	97
11) Tert butyl alcohol	5.287	59	87694	90.048	ug/l	100
12) 1,1-Dichloroethene	4.122	96	48283	18.085	ug/l	96
13) Acrolein	3.993	56	16992	44.302	ug/l	100
14) Allyl chloride	4.763	41	100507	17.620	ug/l #	93
15) Acrylonitrile	5.475	53	221719	98.763	ug/l	99
16) Acetone	4.222	43	203667	98.277	ug/l	93
17) Carbon Disulfide	4.463	76	85457	12.493	ug/l	97
18) Methyl Acetate	4.781	43	110857	20.088	ug/l	90
19) Methyl tert-butyl Ether	5.534	73	215070	21.449	ug/l	99
20) Methylene Chloride	5.016	84	62673	19.349	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	51248	17.647	ug/l	97
22) Diisopropyl ether	6.416	45	228862	21.522	ug/l	97
23) Vinyl Acetate	6.351	43	987218	100.570	ug/l	94
24) 1,1-Dichloroethane	6.310	63	112522	20.183	ug/l	96
25) 2-Butanone	7.257	43	321692	97.822	ug/l	89
26) 2,2-Dichloropropane	7.245	77	69642	14.639	ug/l	96
27) cis-1,2-Dichloroethene	7.251	96	66866	19.272	ug/l	97
28) Bromochloromethane	7.586	49	50638	21.963	ug/l	86
29) Tetrahydrofuran	7.610	42	214324	98.693	ug/l	89
30) Chloroform	7.745	83	116255	20.599	ug/l	99
31) Cyclohexane	8.028	56	88007	17.257	ug/l	89
32) 1,1,1-Trichloroethane	7.939	97	101956	20.586	ug/l	96
36) 1,1-Dichloropropene	8.151	75	75845	18.458	ug/l	98
37) Ethyl Acetate	7.334	43	133285	20.279	ug/l #	93
38) Carbon Tetrachloride	8.133	117	79309	18.349	ug/l	98
39) Methylcyclohexane	9.392	83	85083	17.179	ug/l	95
40) Benzene	8.392	78	244114	18.903	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	62531	20.063	ug/l #	85
42) 1,2-Dichloroethane	8.463	62	91186	19.880	ug/l	100
43) Isopropyl Acetate	8.492	43	193089	20.552	ug/l	94
44) Trichloroethene	9.151	130	62487	19.094	ug/l	100
45) 1,2-Dichloropropane	9.428	63	67037	20.309	ug/l	95
46) Dibromomethane	9.510	93	44370	19.879	ug/l	93
47) Bromodichloromethane	9.698	83	89402	20.155	ug/l	98
48) Methyl methacrylate	9.498	41	90799	21.168	ug/l	89
49) 1,4-Dioxane	9.510	88	33505	347.147	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	634557	103.574	ug/l	91
52) Toluene	10.439	92	156267	19.710	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	90596	18.991	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	99897	19.171	ug/l	93
55) 1,1,2-Trichloroethane	10.839	97	68401	19.649	ug/l	98
56) Ethyl methacrylate	10.698	69	115022	20.614	ug/l	89
57) 1,3-Dichloropropane	10.980	76	114766	19.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	234360	95.135	ug/l	98
59) 2-Hexanone	11.022	43	477922	100.858	ug/l	91
60) Dibromochloromethane	11.174	129	67374	20.478	ug/l	98
61) 1,2-Dibromoethane	11.286	107	70062	20.415	ug/l	97
64) Tetrachloroethene	10.910	164	59776	22.675	ug/l	94
65) Chlorobenzene	11.710	112	165852	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	64261	19.950	ug/l	99
67) Ethyl Benzene	11.780	91	303430	20.367	ug/l	99
68) m/p-Xylenes	11.892	106	229699	39.311	ug/l	98
69) o-Xylene	12.216	106	117816	20.178	ug/l	98
70) Styrene	12.233	104	189511	20.211	ug/l	99
71) Bromoform	12.398	173	48094	19.802	ug/l #	98
73) Isopropylbenzene	12.516	105	306801	20.024	ug/l	100
74) N-amyl acetate	12.327	43	154299	19.406	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.769	83	105221	19.069	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	102410m	21.328	ug/l	
77) Bromobenzene	12.798	156	69364	18.897	ug/l	88
78) n-propylbenzene	12.857	91	332672	19.739	ug/l	99
79) 2-Chlorotoluene	12.945	91	211886	19.415	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	249294	19.808	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	28464	16.009	ug/l	91
82) 4-Chlorotoluene	13.045	91	200387	19.407	ug/l	99
83) tert-Butylbenzene	13.257	119	229796	19.936	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	247477	19.742	ug/l	99
85) sec-Butylbenzene	13.439	105	310882	20.218	ug/l	99
86) p-Isopropyltoluene	13.551	119	246012	19.762	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	125088	19.088	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	122625	18.488	ug/l	98
89) n-Butylbenzene	13.880	91	199523	19.628	ug/l	98
90) Hexachloroethane	14.145	117	45089	19.212	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	133072	19.472	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.539	75	27186	19.486	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	71052	18.786	ug/l	98
94) Hexachlorobutadiene	15.298	225	29503	17.926	ug/l	99
95) Naphthalene	15.433	128	291405	19.046	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	74534	18.455	ug/l	97

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

