

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073084.D
 Acq On : 24 Jun 2022 15:44
 Operator : JC\MD
 Sample : VN0624WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:38:44 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

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	210446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	397882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	350111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	149584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	185291	65.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 130.240%#			
35) Dibromofluoromethane	7.951	113	140989	57.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.660%			
50) Toluene-d8	10.375	98	483657	52.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.669	95	171810	52.213	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	44887	22.402	ug/l	98
3) Chloromethane	2.269	50	47284	22.272	ug/l	97
4) Vinyl Chloride	2.405	62	40198	22.371	ug/l	94
5) Bromomethane	2.799	94	17938	25.359	ug/l	92
6) Chloroethane	2.969	64	27457	24.424	ug/l	98
7) Trichlorofluoromethane	3.316	101	73436	25.096	ug/l	97
8) Diethyl Ether	3.769	74	37605	24.901	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.140	101	39809	19.681	ug/l	99
10) Methyl Iodide	4.352	142	39849	17.188	ug/l	94
11) Tert butyl alcohol	5.293	59	84084	114.408	ug/l	100
12) 1,1-Dichloroethene	4.116	96	42708	21.197	ug/l	99
13) Acrolein	3.987	56	795	2.747	ug/l #	66
14) Allyl chloride	4.763	41	76555	17.784	ug/l #	91
15) Acrylonitrile	5.469	53	225844	133.304	ug/l	99
16) Acetone	4.222	43	212347	135.774	ug/l	96
17) Carbon Disulfide	4.457	76	86871	16.828	ug/l	98
18) Methyl Acetate	4.775	43	138199	33.183	ug/l	92
19) Methyl tert-butyl Ether	5.534	73	207654	27.442	ug/l	98
20) Methylene Chloride	5.004	84	61345	25.168	ug/l	93
21) trans-1,2-Dichloroethene	5.510	96	45519	20.769	ug/l	94
22) Diisopropyl ether	6.410	45	214510	26.730	ug/l	98
23) Vinyl Acetate	6.351	43	780940	105.418	ug/l	94
24) 1,1-Dichloroethane	6.304	63	103981	24.714	ug/l	99
25) 2-Butanone	7.257	43	322690	130.023	ug/l	89
26) 2,2-Dichloropropane	7.240	77	12320	2.983	ug/l	85
27) cis-1,2-Dichloroethene	7.251	96	64297	24.555	ug/l	92
28) Bromochloromethane	7.581	49	45996	26.434	ug/l	87
29) Tetrahydrofuran	7.610	42	213415	130.221	ug/l	88
30) Chloroform	7.745	83	107497	25.238	ug/l	100
31) Cyclohexane	8.022	56	76031	19.755	ug/l	90
32) 1,1,1-Trichloroethane	7.940	97	85880	22.977	ug/l	99
36) 1,1-Dichloropropene	8.145	75	66079	19.857	ug/l	98
37) Ethyl Acetate	7.334	43	129801	24.386	ug/l #	93
38) Carbon Tetrachloride	8.134	117	68450	19.556	ug/l	98
39) Methylcyclohexane	9.392	83	64267	16.023	ug/l	99
40) Benzene	8.387	78	224656	21.482	ug/l	100

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41) Methacrylonitrile	7.557	41	64814	25.679	ug/l #	84
42) 1,2-Dichloroethane	8.463	62	87208	23.478	ug/l	100
43) Isopropyl Acetate	8.492	43	184057	24.191	ug/l	94
44) Trichloroethene	9.145	130	52011	19.625	ug/l	88
45) 1,2-Dichloropropane	9.422	63	62570	23.406	ug/l	96
46) Dibromomethane	9.510	93	42869	23.717	ug/l	93
47) Bromodichloromethane	9.698	83	83293	23.187	ug/l	97
48) Methyl methacrylate	9.492	41	89502	25.765	ug/l	89
49) 1,4-Dioxane	9.504	88	34395	440.050	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	619387	124.838	ug/l	90
52) Toluene	10.439	92	136533	21.264	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	58717	15.199	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	65534	15.530	ug/l #	85
55) 1,1,2-Trichloroethane	10.839	97	64497	22.878	ug/l	96
56) Ethyl methacrylate	10.698	69	104627	23.154	ug/l #	83
57) 1,3-Dichloropropane	10.981	76	108335	23.162	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	243364	121.988	ug/l	95
59) 2-Hexanone	11.022	43	468959	122.205	ug/l	89
60) Dibromochloromethane	11.175	129	61067	22.920	ug/l	98
61) 1,2-Dibromoethane	11.281	107	64872	23.341	ug/l	100
64) Tetrachloroethene	10.910	164	45754	21.482	ug/l	92
65) Chlorobenzene	11.704	112	141700	20.724	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.780	131	57304	22.020	ug/l	99
67) Ethyl Benzene	11.780	91	248166	20.618	ug/l	98
68) m/p-Xylenes	11.892	106	191236	40.509	ug/l	97
69) o-Xylene	12.216	106	100518	21.308	ug/l	98
70) Styrene	12.233	104	161931	21.376	ug/l	99
71) Bromoform	12.398	173	45367	23.120	ug/l #	99
73) Isopropylbenzene	12.516	105	239657	20.710	ug/l	100
74) N-amyl acetate	12.328	43	111341	18.541	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	100120	24.023	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	87988m	24.262	ug/l	
77) Bromobenzene	12.792	156	59829	21.581	ug/l	88
78) n-propylbenzene	12.857	91	262908	20.655	ug/l	99
79) 2-Chlorotoluene	12.945	91	172771	20.961	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	202484	21.302	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	12875	9.588	ug/l	89
82) 4-Chlorotoluene	13.039	91	167611	21.492	ug/l	98
83) tert-Butylbenzene	13.257	119	180958	20.786	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	202706	21.410	ug/l	98
85) sec-Butylbenzene	13.439	105	234352	20.180	ug/l	96
86) p-Isopropyltoluene	13.551	119	184738	19.648	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	104798	21.174	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	106045	21.169	ug/l	98
89) n-Butylbenzene	13.880	91	135188	17.608	ug/l	98
90) Hexachloroethane	14.145	117	38294	21.604	ug/l	87
91) 1,2-Dichlorobenzene	13.922	146	113606	22.010	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	24926	23.673	ug/l	87
93) 1,2,4-Trichlorobenzene	15.192	180	58105	20.341	ug/l	96
94) Hexachlorobutadiene	15.298	225	20820	16.749	ug/l	99
95) Naphthalene	15.433	128	249322	21.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	61302	20.097	ug/l	96

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

