

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073088.D
 Acq On : 24 Jun 2022 17:22
 Operator : JC\MD
 Sample : VN0624WBSD03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD03

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 23:39:54 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	8.016	168	220859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	392966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	342020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	148806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179200	60.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.020%			
35) Dibromofluoromethane	7.951	113	137500	56.610	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.220%			
50) Toluene-d8	10.375	98	486669	53.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.669	95	174424	53.670	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	44082	20.963	ug/l	92
3) Chloromethane	2.263	50	42656	19.225	ug/l	100
4) Vinyl Chloride	2.404	62	38919	20.638	ug/l	99
5) Bromomethane	2.804	94	20084	27.054	ug/l	99
6) Chloroethane	2.969	64	25303	21.446	ug/l	100
7) Trichlorofluoromethane	3.316	101	67304	21.916	ug/l	100
8) Diethyl Ether	3.769	74	35483	22.388	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.146	101	45964	21.652	ug/l	96
10) Methyl Iodide	4.351	142	38337	15.756	ug/l #	93
11) Tert butyl alcohol	5.293	59	90724	117.623	ug/l	99
12) 1,1-Dichloroethene	4.116	96	42467	20.083	ug/l	98
13) Acrolein	3.981	56	20550	67.649	ug/l	100
14) Allyl chloride	4.763	41	97580	21.599	ug/l #	94
15) Acrylonitrile	5.475	53	223927	125.941	ug/l	99
16) Acetone	4.228	43	206601	125.872	ug/l	98
17) Carbon Disulfide	4.457	76	85706	15.819	ug/l	97
18) Methyl Acetate	4.781	43	110498	25.281	ug/l	90
19) Methyl tert-butyl Ether	5.540	73	196495	24.743	ug/l	98
20) Methylene Chloride	5.010	84	58174	22.718	ug/l	90
21) trans-1,2-Dichloroethene	5.516	96	46759	20.329	ug/l	96
22) Diisopropyl ether	6.416	45	208637	24.772	ug/l	96
23) Vinyl Acetate	6.351	43	970291	124.803	ug/l #	93
24) 1,1-Dichloroethane	6.310	63	100861	22.843	ug/l	99
25) 2-Butanone	7.263	43	335113	128.663	ug/l	94
26) 2,2-Dichloropropane	7.245	77	80847	21.730	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	61776	22.480	ug/l	96
28) Bromochloromethane	7.586	49	44476	24.356	ug/l	87
29) Tetrahydrofuran	7.610	42	222708	129.484	ug/l	87
30) Chloroform	7.745	83	104975	23.484	ug/l	97
31) Cyclohexane	8.022	56	80815	20.008	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	88489	22.559	ug/l	99
36) 1,1-Dichloropropene	8.151	75	65961	20.070	ug/l	99
37) Ethyl Acetate	7.339	43	128169	24.381	ug/l	95
38) Carbon Tetrachloride	8.133	117	71353	20.640	ug/l	99
39) Methylcyclohexane	9.392	83	76272	19.254	ug/l	91
40) Benzene	8.392	78	221031	21.399	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	65688	26.350	ug/l #	84
42) 1,2-Dichloroethane	8.463	62	87757	23.921	ug/l	98
43) Isopropyl Acetate	8.498	43	181094	24.099	ug/l	94
44) Trichloroethene	9.145	130	52609	20.099	ug/l	90
45) 1,2-Dichloropropane	9.428	63	62665	23.735	ug/l	96
46) Dibromomethane	9.510	93	42582	23.853	ug/l	89
47) Bromodichloromethane	9.698	83	81406	22.945	ug/l	99
48) Methyl methacrylate	9.498	41	79960	23.306	ug/l	91
49) 1,4-Dioxane	9.504	88	34849	451.436	ug/l #	87
51) 4-Methyl-2-Pentanone	10.269	43	628699	128.300	ug/l	90
52) Toluene	10.439	92	137361	21.661	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	86507	22.672	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	94422	22.656	ug/l #	89
55) 1,1,2-Trichloroethane	10.839	97	61958	22.252	ug/l	98
56) Ethyl methacrylate	10.698	69	103097	23.101	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	108835	23.560	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.980	63	238547	121.069	ug/l	95
59) 2-Hexanone	11.022	43	484185	127.752	ug/l	90
60) Dibromochloromethane	11.174	129	61718	23.454	ug/l	98
61) 1,2-Dibromoethane	11.280	107	62556	22.790	ug/l	99
64) Tetrachloroethene	10.916	164	44405	21.342	ug/l	96
65) Chlorobenzene	11.704	112	146620	21.951	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.774	131	56901	22.382	ug/l	99
67) Ethyl Benzene	11.780	91	258374	21.974	ug/l	100
68) m/p-Xylenes	11.892	106	194546	42.185	ug/l	96
69) o-Xylene	12.216	106	104067	22.583	ug/l	98
70) Styrene	12.233	104	162127	21.908	ug/l	99
71) Bromoform	12.392	173	43849	22.875	ug/l #	99
73) Isopropylbenzene	12.516	105	258791	22.480	ug/l	99
74) N-amyl acetate	12.327	43	145130	24.293	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	101533	24.490	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	96274m	26.685	ug/l	
77) Bromobenzene	12.798	156	60943	22.098	ug/l	87
78) n-propylbenzene	12.857	91	284371	22.458	ug/l	97
79) 2-Chlorotoluene	12.945	91	183247	22.348	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	215223	22.760	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	30860	23.100	ug/l	94
82) 4-Chlorotoluene	13.039	91	174738	22.524	ug/l	97
83) tert-Butylbenzene	13.263	119	193430	22.335	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	212550	22.567	ug/l	98
85) sec-Butylbenzene	13.439	105	257434	22.283	ug/l	98
86) p-Isopropyltoluene	13.551	119	207040	22.135	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	108223	21.980	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	107348	21.541	ug/l	97
89) n-Butylbenzene	13.880	91	164965	21.599	ug/l	99
90) Hexachloroethane	14.145	117	40164	22.777	ug/l	86
91) 1,2-Dichlorobenzene	13.921	146	113089	22.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	25994	24.821	ug/l	86
93) 1,2,4-Trichlorobenzene	15.192	180	58111	20.449	ug/l	98
94) Hexachlorobutadiene	15.298	225	25319	20.475	ug/l	98
95) Naphthalene	15.427	128	245698	21.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	62794	20.693	ug/l	97

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

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