

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073085.D
 Acq On : 24 Jun 2022 16:09
 Operator : JC\MD
 Sample : VN0624WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 23:39:07 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	197128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	380146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	333080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	140577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	183273	68.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 137.540%#			
35) Dibromofluoromethane	7.957	113	137543	58.538	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.080%			
50) Toluene-d8	10.375	98	464738	53.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.300%			
62) 4-Bromofluorobenzene	12.669	95	164792	52.417	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	42187	22.477	ug/l	97
3) Chloromethane	2.263	50	46946	23.573	ug/l	97
4) Vinyl Chloride	2.405	62	40039	23.787	ug/l	98
5) Bromomethane	2.805	94	17766	26.813	ug/l	94
6) Chloroethane	2.969	64	26514	25.178	ug/l	99
7) Trichlorofluoromethane	3.316	101	66741	24.349	ug/l	93
8) Diethyl Ether	3.763	74	39237	27.736	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.140	101	37180	19.623	ug/l	99
10) Methyl Iodide	4.351	142	38724	17.831	ug/l	95
11) Tert butyl alcohol	5.293	59	92420	134.246	ug/l	100
12) 1,1-Dichloroethene	4.122	96	41226	21.843	ug/l	94
13) Acrolein	3.981	56	465	1.715	ug/l #	16
14) Allyl chloride	4.763	41	77586	19.241	ug/l #	88
15) Acrylonitrile	5.475	53	227148	143.131	ug/l	98
16) Acetone	4.228	43	224333	153.129	ug/l	94
17) Carbon Disulfide	4.452	76	84076	17.387	ug/l	99
18) Methyl Acetate	4.781	43	141623	36.302	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	204276	28.819	ug/l	99
20) Methylene Chloride	5.022	84	59886	26.239	ug/l	88
21) trans-1,2-Dichloroethene	5.516	96	44787	21.816	ug/l	91
22) Diisopropyl ether	6.410	45	214267	28.504	ug/l #	95
23) Vinyl Acetate	6.351	43	761093	109.680	ug/l	95
24) 1,1-Dichloroethane	6.304	63	104200	26.440	ug/l	98
25) 2-Butanone	7.263	43	338073	145.425	ug/l	93
26) 2,2-Dichloropropane	7.240	77	12154	3.173	ug/l	85
27) cis-1,2-Dichloroethene	7.245	96	60360	24.609	ug/l	98
28) Bromochloromethane	7.587	49	45258	27.767	ug/l	85
29) Tetrahydrofuran	7.610	42	224297	146.107	ug/l	88
30) Chloroform	7.745	83	106017	26.573	ug/l	100
31) Cyclohexane	8.022	56	69943	19.401	ug/l	94
32) 1,1,1-Trichloroethane	7.945	97	83998	23.992	ug/l	99
36) 1,1-Dichloropropene	8.151	75	61318	19.286	ug/l	99
37) Ethyl Acetate	7.340	43	130119	25.587	ug/l #	93
38) Carbon Tetrachloride	8.134	117	66422	19.862	ug/l	96
39) Methylcyclohexane	9.392	83	60218	15.714	ug/l	97
40) Benzene	8.392	78	220112	22.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	61137	25.352	ug/l	89
42) 1,2-Dichloroethane	8.463	62	88635	24.975	ug/l	99
43) Isopropyl Acetate	8.492	43	185540	25.524	ug/l	93
44) Trichloroethene	9.145	130	50526	19.954	ug/l	95
45) 1,2-Dichloropropane	9.428	63	59935	23.467	ug/l	95
46) Dibromomethane	9.510	93	41840	24.228	ug/l	94
47) Bromodichloromethane	9.698	83	80107	23.340	ug/l	96
48) Methyl methacrylate	9.498	41	87695	26.423	ug/l	90
49) 1,4-Dioxane	9.504	88	36386	487.242	ug/l #	96
51) 4-Methyl-2-Pentanone	10.269	43	633561	133.652	ug/l	91
52) Toluene	10.439	92	130689	21.304	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	55957	15.160	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	62525	15.508	ug/l #	90
55) 1,1,2-Trichloroethane	10.833	97	61519	22.839	ug/l	95
56) Ethyl methacrylate	10.698	69	105676	24.477	ug/l	87
57) 1,3-Dichloropropane	10.980	76	106132	23.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	239330	125.563	ug/l	94
59) 2-Hexanone	11.022	43	475971	129.819	ug/l	90
60) Dibromochloromethane	11.175	129	60448	23.746	ug/l	99
61) 1,2-Dibromoethane	11.280	107	63055	23.746	ug/l	100
64) Tetrachloroethene	10.916	164	41812	20.635	ug/l	95
65) Chlorobenzene	11.704	112	136923	21.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.775	131	56618	22.868	ug/l	99
67) Ethyl Benzene	11.780	91	234145	20.448	ug/l	100
68) m/p-Xylenes	11.886	106	184342	41.045	ug/l	100
69) o-Xylene	12.216	106	94642	21.089	ug/l	96
70) Styrene	12.233	104	150467	20.878	ug/l	97
71) Bromoform	12.398	173	45324	24.279	ug/l #	98
73) Isopropylbenzene	12.516	105	228594	21.019	ug/l	99
74) N-amyl acetate	12.327	43	107939	19.126	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	98053	25.035	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	78878m	23.143	ug/l	
77) Bromobenzene	12.798	156	58979	22.637	ug/l	90
78) n-propylbenzene	12.857	91	243993	20.397	ug/l	98
79) 2-Chlorotoluene	12.945	91	166272	21.465	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	187784	21.021	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	12456	9.870	ug/l	91
82) 4-Chlorotoluene	13.039	91	153966	21.008	ug/l	98
83) tert-Butylbenzene	13.257	119	173895	21.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.304	105	188075	21.138	ug/l	100
85) sec-Butylbenzene	13.439	105	214655	19.668	ug/l	98
86) p-Isopropyltoluene	13.551	119	169240	19.153	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	100566	21.620	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	98234	20.866	ug/l	97
89) n-Butylbenzene	13.880	91	123618	17.133	ug/l	97
90) Hexachloroethane	14.145	117	36226	21.747	ug/l	84
91) 1,2-Dichlorobenzene	13.921	146	110026	22.682	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	25026	25.297	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	50551	18.830	ug/l	95
94) Hexachlorobutadiene	15.298	225	18380	15.733	ug/l	98
95) Naphthalene	15.433	128	244592	22.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	57977	20.224	ug/l	98

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

