

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073575.D
 Acq On : 25 Jul 2022 13:30
 Operator : JC\MD
 Sample : VN0725WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/26/2022
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 02:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	176026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	294651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	270957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	133619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	128625	50.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.240%			
35) Dibromofluoromethane	7.951	113	106038	54.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	10.380	98	340547	48.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.674	95	133869	50.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	53127	20.644	ug/l	94
3) Chloromethane	2.263	50	48345	19.350	ug/l	100
4) Vinyl Chloride	2.404	62	43401	20.444	ug/l	95
5) Bromomethane	2.804	94	22788	22.727	ug/l	94
6) Chloroethane	2.969	64	26624	21.320	ug/l	100
7) Trichlorofluoromethane	3.316	101	63557	17.317	ug/l	89
8) Diethyl Ether	3.763	74	30844	20.645	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.140	101	41679	19.219	ug/l	96
10) Methyl Iodide	4.351	142	34914	14.818	ug/l #	91
11) Tert butyl alcohol	5.287	59	66002	107.220	ug/l	100
12) 1,1-Dichloroethene	4.104	96	39056	18.848	ug/l	93
13) Acrolein	3.987	56	46425	119.318	ug/l	99
14) Allyl chloride	4.763	41	86371	19.786	ug/l #	92
15) Acrylonitrile	5.475	53	184064	116.154	ug/l	99
16) Acetone	4.222	43	165528	116.048	ug/l	95
17) Carbon Disulfide	4.457	76	102594	19.094	ug/l	98
18) Methyl Acetate	4.781	43	93564	23.407	ug/l	90
19) Methyl tert-butyl Ether	5.534	73	152064	20.135	ug/l	95
20) Methylene Chloride	5.010	84	52297	20.863	ug/l #	85
21) trans-1,2-Dichloroethene	5.516	96	43300	19.998	ug/l	96
22) Diisopropyl ether	6.410	45	173827	21.340	ug/l #	93
23) Vinyl Acetate	6.351	43	787169	107.933	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	86867	20.607	ug/l	96
25) 2-Butanone	7.263	43	271802	119.687	ug/l	90
26) 2,2-Dichloropropane	7.245	77	60582	15.539	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	52942	20.191	ug/l	99
28) Bromochloromethane	7.580	49	44495	25.204	ug/l #	79
29) Tetrahydrofuran	7.610	42	187025	120.276	ug/l #	86
30) Chloroform	7.739	83	86074	20.273	ug/l	93
31) Cyclohexane	8.022	56	79441	19.088	ug/l	94
32) 1,1,1-Trichloroethane	7.945	97	70819	18.717	ug/l	99
36) 1,1-Dichloropropene	8.151	75	58853	19.511	ug/l	98
37) Ethyl Acetate	7.339	43	107358	23.555	ug/l	95
38) Carbon Tetrachloride	8.133	117	59662	19.126	ug/l	98
39) Methylcyclohexane	9.392	83	70961	18.896	ug/l	90
40) Benzene	8.392	78	192694	20.700	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.575	41	50189	22.706	ug/l #	86
42) 1,2-Dichloroethane	8.463	62	72005	21.338	ug/l	98
43) Isopropyl Acetate	8.498	43	146858	22.420	ug/l #	91
44) Trichloroethene	9.151	130	44963	18.980	ug/l	96
45) 1,2-Dichloropropane	9.427	63	51218	21.586	ug/l	96
46) Dibromomethane	9.516	93	35760	22.197	ug/l	89
47) Bromodichloromethane	9.698	83	65473	20.983	ug/l	100
48) Methyl methacrylate	9.498	41	63714	21.008	ug/l	91
49) 1,4-Dioxane	9.510	88	29334	509.496	ug/l #	94
51) 4-Methyl-2-Pentanone	10.269	43	506715	121.987	ug/l	90
52) Toluene	10.445	92	118521	20.602	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	67909	19.770	ug/l	96
54) cis-1,3-Dichloropropene	10.127	75	75307	20.307	ug/l #	90
55) 1,1,2-Trichloroethane	10.839	97	49214	20.779	ug/l	96
56) Ethyl methacrylate	10.704	69	79823	20.852	ug/l	88
57) 1,3-Dichloropropane	10.986	76	86019	21.187	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	196435	115.058	ug/l	94
59) 2-Hexanone	11.027	43	391448	123.627	ug/l	88
60) Dibromochloromethane	11.180	129	49430	21.890	ug/l	100
61) 1,2-Dibromoethane	11.286	107	50025	21.146	ug/l	98
64) Tetrachloroethene	10.916	164	46430	20.985	ug/l	94
65) Chlorobenzene	11.710	112	119083	19.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	43694	19.385	ug/l	97
67) Ethyl Benzene	11.786	91	209973	18.874	ug/l	98
68) m/p-Xylenes	11.892	106	164180	39.103	ug/l	99
69) o-Xylene	12.221	106	83538	19.490	ug/l	99
70) Styrene	12.239	104	128583	19.430	ug/l	99
71) Bromoform	12.398	173	35234	21.363	ug/l #	99
73) Isopropylbenzene	12.521	105	210198	18.217	ug/l	99
74) N-amyl acetate	12.333	43	106180	18.378	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.768	83	76733	20.040	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	71501m	20.465	ug/l	
77) Bromobenzene	12.798	156	48657	18.137	ug/l	88
78) n-propylbenzene	12.863	91	237761	18.548	ug/l	96
79) 2-Chlorotoluene	12.945	91	149642	18.445	ug/l	96
80) 1,3,5-Trimethylbenzene	13.004	105	174293	18.532	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.568	75	21760	17.080	ug/l	88
82) 4-Chlorotoluene	13.045	91	142239	18.110	ug/l	97
83) tert-Butylbenzene	13.262	119	153103	18.158	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	168504	17.945	ug/l	99
85) sec-Butylbenzene	13.439	105	208294	18.397	ug/l	99
86) p-Isopropyltoluene	13.557	119	167947	18.363	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	87134	18.105	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	86830	18.007	ug/l	98
89) n-Butylbenzene	13.886	91	135089	17.725	ug/l	96
90) Hexachloroethane	14.151	117	31097	18.244	ug/l	91
91) 1,2-Dichlorobenzene	13.927	146	89541	18.264	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	18141	19.493	ug/l	89
93) 1,2,4-Trichlorobenzene	15.198	180	45733	17.915	ug/l	97
94) Hexachlorobutadiene	15.298	225	22336	19.683	ug/l	98
95) Naphthalene	15.439	128	175051	16.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	48277	18.333	ug/l	99

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

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