

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074463.D
 Acq On : 15 Sep 2022 15:56
 Operator : JC\MD
 Sample : VN0915WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2022
 Supervised By : Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 19:22:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	358078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	681898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	616062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	269969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	304211	50.071	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.140%			
35) Dibromofluoromethane	7.945	113	226068	49.908	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.820%			
50) Toluene-d8	10.380	98	871460	49.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.674	95	310901	51.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	74700	19.168	ug/l	99
3) Chloromethane	2.263	50	145591	22.354	ug/l	97
4) Vinyl Chloride	2.404	62	142975	20.382	ug/l	91
5) Bromomethane	2.781	94	88707	23.979	ug/l	99
6) Chloroethane	2.951	64	99416	20.748	ug/l	97
7) Trichlorofluoromethane	3.310	101	150528	19.432	ug/l	95
8) Diethyl Ether	3.757	74	77042	19.503	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.128	101	98298	20.511	ug/l	89
10) Methyl Iodide	4.340	142	118847	21.022	ug/l	94
11) Tert butyl alcohol	5.287	59	208165	105.178	ug/l	99
12) 1,1-Dichloroethene	4.110	96	99201	21.412	ug/l	93
13) Acrolein	3.975	56	72305	100.039	ug/l	94
14) Allyl chloride	4.751	41	230062	20.430	ug/l #	94
15) Acrylonitrile	5.469	53	501346	112.753	ug/l	98
16) Acetone	4.216	43	401715	103.327	ug/l	99
17) Carbon Disulfide	4.445	76	248476	19.214	ug/l	97
18) Methyl Acetate	4.769	43	256050	21.204	ug/l #	88
19) Methyl tert-butyl Ether	5.522	73	423330	21.298	ug/l	97
20) Methylene Chloride	5.004	84	131231	22.127	ug/l #	85
21) trans-1,2-Dichloroethene	5.510	96	107473	20.999	ug/l	96
22) Diisopropyl ether	6.410	45	485787	21.483	ug/l #	94
23) Vinyl Acetate	6.345	43	2219603	111.290	ug/l #	92
24) 1,1-Dichloroethane	6.292	63	235850	20.866	ug/l	96
25) 2-Butanone	7.251	43	711886	110.285	ug/l	90
26) 2,2-Dichloropropane	7.239	77	192510	19.755	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	133125	20.078	ug/l	91
28) Bromochloromethane	7.581	49	70167	21.066	ug/l #	71
29) Tetrahydrofuran	7.604	42	481687	113.497	ug/l #	85
30) Chloroform	7.739	83	213635	20.478	ug/l	97
31) Cyclohexane	8.022	56	218920	20.300	ug/l #	81
32) 1,1,1-Trichloroethane	7.939	97	178305	19.487	ug/l	95
36) 1,1-Dichloropropene	8.145	75	157856	19.688	ug/l	97
37) Ethyl Acetate	7.328	43	275456	22.246	ug/l	95
38) Carbon Tetrachloride	8.139	117	148197	20.019	ug/l	98
39) Methylcyclohexane	9.392	83	204482	21.448	ug/l	95
40) Benzene	8.386	78	516536	20.834	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	132187	22.081	ug/l	89
42) 1,2-Dichloroethane	8.463	62	182832	21.489	ug/l	99
43) Isopropyl Acetate	8.492	43	438477	22.607	ug/l #	91
44) Trichloroethene	9.151	130	111286	20.743	ug/l	97
45) 1,2-Dichloropropane	9.422	63	147353	21.626	ug/l	95
46) Dibromomethane	9.516	93	90786	21.274	ug/l #	83
47) Bromodichloromethane	9.698	83	176425	21.087	ug/l	99
48) Methyl methacrylate	9.498	41	185813	21.606	ug/l	89
49) 1,4-Dioxane	9.498	88	74065	447.952	ug/l #	89
51) 4-Methyl-2-Pentanone	10.269	43	1436260	113.399	ug/l	91
52) Toluene	10.445	92	321851	22.138	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	213380	21.883	ug/l	93
54) cis-1,3-Dichloropropene	10.127	75	222583	21.330	ug/l #	86
55) 1,1,2-Trichloroethane	10.839	97	127726	20.740	ug/l	89
56) Ethyl methacrylate	10.704	69	245492	22.316	ug/l #	84
57) 1,3-Dichloropropane	10.986	76	236074	21.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	478296	98.796	ug/l	90
59) 2-Hexanone	11.027	43	1107472	114.542	ug/l	89
60) Dibromochloromethane	11.174	129	125881	21.352	ug/l	100
61) 1,2-Dibromoethane	11.286	107	133208	22.266	ug/l	99
64) Tetrachloroethene	10.916	164	83299	19.702	ug/l	96
65) Chlorobenzene	11.710	112	316782	20.482	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	118045	21.007	ug/l	98
67) Ethyl Benzene	11.786	91	612262	21.562	ug/l	98
68) m/p-Xylenes	11.892	106	446244	42.505	ug/l	94
69) o-Xylene	12.221	106	229084	21.401	ug/l	95
70) Styrene	12.233	104	373863	20.997	ug/l	99
71) Bromoform	12.398	173	89883	21.763	ug/l #	97
73) Isopropylbenzene	12.521	105	576538	20.857	ug/l	98
74) N-amyl acetate	12.333	43	372801	21.570	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.768	83	231362	20.886	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	138213m	16.632	ug/l	
77) Bromobenzene	12.804	156	120429	20.395	ug/l	72
78) n-propylbenzene	12.863	91	684600	20.794	ug/l	95
79) 2-Chlorotoluene	12.945	91	400312	20.368	ug/l	99
80) 1,3,5-Trimethylbenzene	13.004	105	472267	20.958	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.568	75	85413	22.184	ug/l	97
82) 4-Chlorotoluene	13.045	91	392514	21.011	ug/l	98
83) tert-Butylbenzene	13.262	119	429574	20.947	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	477814	21.070	ug/l	98
85) sec-Butylbenzene	13.445	105	597693	21.226	ug/l	97
86) p-Isopropyltoluene	13.557	119	468516	21.342	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	225713	20.801	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	222386	20.392	ug/l	97
89) n-Butylbenzene	13.886	91	414206	20.933	ug/l	96
90) Hexachloroethane	14.151	117	99188	20.766	ug/l	75
91) 1,2-Dichlorobenzene	13.927	146	227001	20.165	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	48437	19.802	ug/l	85
93) 1,2,4-Trichlorobenzene	15.198	180	112596	20.995	ug/l	97
94) Hexachlorobutadiene	15.304	225	47257	20.049	ug/l	98
95) Naphthalene	15.439	128	476696	21.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	112393	21.019	ug/l	98

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

