

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074713.D
 Acq On : 03 Oct 2022 17:08
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100322

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 06:11:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:54:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.928	168	223048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	381583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	441524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	294481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	275295	49.118	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.240%		
35) Dibromofluoromethane	7.869	113	204713	49.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	10.310	98	859229	50.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.920%		
62) 4-Bromofluorobenzene	12.604	95	272203	47.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.999	85	210545	45.742	ug/l	99
3) Chloromethane	2.216	50	320075	47.999	ug/l	100
4) Vinyl Chloride	2.357	62	548133	41.065	ug/l	98
5) Bromomethane	2.728	94	471891	45.397	ug/l	92
6) Chloroethane	2.893	64	445585	41.670	ug/l	95
7) Trichlorofluoromethane	3.240	101	305793	42.545	ug/l	99
8) Diethyl Ether	3.681	74	152881	48.300	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.057	101	181549	45.027	ug/l	88
10) Methyl Iodide	4.251	142	237236	48.309	ug/l	92
11) Tert butyl alcohol	5.163	59	309516	252.940	ug/l	99
12) 1,1-Dichloroethene	4.028	96	170348	42.448	ug/l	94
13) Acrolein	3.887	56	122672	262.782	ug/l	99
14) Allyl chloride	4.657	41	399930	48.530	ug/l	92
15) Acrylonitrile	5.357	53	881783	253.224	ug/l	99
16) Acetone	4.122	43	736492	246.597	ug/l	97
17) Carbon Disulfide	4.357	76	517214	43.974	ug/l	99
18) Methyl Acetate	4.663	43	489646	48.047	ug/l	91
19) Methyl tert-butyl Ether	5.416	73	812091	50.864	ug/l	99
20) Methylene Chloride	4.898	84	243333	49.181	ug/l	85
21) trans-1,2-Dichloroethene	5.404	96	200532	46.117	ug/l	95
22) Diisopropyl ether	6.298	45	922701	50.807	ug/l #	88
23) Vinyl Acetate	6.240	43	3936850	241.152	ug/l	94
24) 1,1-Dichloroethane	6.193	63	445064	49.430	ug/l	98
25) 2-Butanone	7.157	43	1301101	245.131	ug/l	91
26) 2,2-Dichloropropane	7.151	77	325486	47.716	ug/l	98
27) cis-1,2-Dichloroethene	7.151	96	256194	47.155	ug/l	95
28) Bromochloromethane	7.492	49	225058	52.147	ug/l #	72
29) Tetrahydrofuran	7.510	42	893845	255.593	ug/l	87
30) Chloroform	7.657	83	447678	50.849	ug/l	94
31) Cyclohexane	7.934	56	379842	43.857	ug/l #	83
32) 1,1,1-Trichloroethane	7.851	97	348261	45.981	ug/l	94
36) 1,1-Dichloropropene	8.063	75	312783	46.817	ug/l	96
37) Ethyl Acetate	7.240	43	515322	54.929	ug/l #	92
38) Carbon Tetrachloride	8.045	117	278874	47.203	ug/l	95
39) Methylcyclohexane	9.322	83	384414	47.501	ug/l	95
40) Benzene	8.310	78	1027733	50.456	ug/l	98

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41) Methacrylonitrile	7.469	41	195012	42.804	ug/l #	71
42) 1,2-Dichloroethane	8.381	62	364398	52.269	ug/l	100
43) Isopropyl Acetate	8.410	43	806589	56.580	ug/l #	91
44) Trichloroethene	9.075	130	214255	47.643	ug/l	89
45) 1,2-Dichloropropane	9.351	63	271368	50.224	ug/l	95
46) Dibromomethane	9.433	93	184696	49.523	ug/l #	83
47) Bromodichloromethane	9.628	83	362869	52.954	ug/l	96
48) Methyl methacrylate	9.422	41	338211	51.784	ug/l #	86
49) 1,4-Dioxane	9.428	88	123921	1025.913	ug/l #	93
51) 4-Methyl-2-Pentanone	10.198	43	2806459	273.251	ug/l	89
52) Toluene	10.375	92	643166	51.900	ug/l	97
53) t-1,3-Dichloropropene	10.592	75	411320	60.904	ug/l	94
54) cis-1,3-Dichloropropene	10.057	75	424793	56.233	ug/l #	91
55) 1,1,2-Trichloroethane	10.769	97	263433	52.843	ug/l	95
56) Ethyl methacrylate	10.639	69	453664	57.812	ug/l #	80
57) 1,3-Dichloropropane	10.922	76	461447	51.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.910	63	872066	288.171	ug/l	91
59) 2-Hexanone	10.957	43	2121916	275.734	ug/l	88
60) Dibromochloromethane	11.110	129	259679	56.947	ug/l	99
61) 1,2-Dibromoethane	11.216	107	272551	55.297	ug/l	98
64) Tetrachloroethene	10.845	164	172524	47.895	ug/l	92
65) Chlorobenzene	11.645	112	656634	48.981	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.716	131	234291	52.971	ug/l	99
67) Ethyl Benzene	11.716	91	1266182	50.681	ug/l	95
68) m/p-Xylenes	11.827	106	969686	104.146	ug/l	97
69) o-Xylene	12.157	106	480499	51.418	ug/l	94
70) Styrene	12.169	104	847533	47.442	ug/l	99
71) Bromoform	12.333	173	188795	53.122	ug/l #	99
73) Isopropylbenzene	12.457	105	1249591	45.927	ug/l	97
74) N-amyl acetate	12.269	43	714444	53.120	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.704	83	473759	45.653	ug/l	99
76) 1,2,3-Trichloropropane	12.757	75	389662m	58.247	ug/l	
77) Bromobenzene	12.733	156	268507	46.164	ug/l	82
78) n-propylbenzene	12.798	91	1488014	47.768	ug/l	94
79) 2-Chlorotoluene	12.880	91	852453	46.442	ug/l	96
80) 1,3,5-Trimethylbenzene	12.933	105	1056197	48.630	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.504	75	139307	54.653	ug/l	88
82) 4-Chlorotoluene	12.980	91	865436	48.748	ug/l	98
83) tert-Butylbenzene	13.198	119	884278	45.508	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1081149	51.686	ug/l	96
85) sec-Butylbenzene	13.374	105	1309065	47.251	ug/l	95
86) p-Isopropyltoluene	13.492	119	1082873	50.987	ug/l	98
87) 1,3-Dichlorobenzene	13.486	146	540381	48.890	ug/l	98
88) 1,4-Dichlorobenzene	13.569	146	524920	48.473	ug/l	97
89) n-Butylbenzene	13.816	91	935801	48.788	ug/l	95
90) Hexachloroethane	14.080	117	173328	48.124	ug/l	78
91) 1,2-Dichlorobenzene	13.863	146	530696	49.360	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.474	75	91763	48.036	ug/l	88
93) 1,2,4-Trichlorobenzene	15.127	180	244645	51.605	ug/l	99
94) Hexachlorobutadiene	15.233	225	104425	43.563	ug/l	96
95) Naphthalene	15.363	128	1004946	55.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.551	180	243716	48.715	ug/l	98

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

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