

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075670.D
 Acq On : 09 Dec 2022 15:58
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN120922

Quant Time: Dec 12 03:02:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	230468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121893	49.847	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	8.171	113	110245	50.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.760%		
50) Toluene-d8	10.571	98	417461	51.298	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.600%		
62) 4-Bromofluorobenzene	12.853	95	149099	53.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	77864	45.936	ug/l	99
3) Chloromethane	2.371	50	89946	44.537	ug/l	96
4) Vinyl Chloride	2.524	62	112068	45.175	ug/l	99
5) Bromomethane	2.936	94	101952	48.254	ug/l	97
6) Chloroethane	3.112	64	84721	45.772	ug/l	96
7) Trichlorofluoromethane	3.501	101	165311	45.929	ug/l	99
8) Diethyl Ether	3.971	74	64899	49.321	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	99264	46.993	ug/l	99
10) Methyl Iodide	4.595	142	167139	48.420	ug/l	99
11) Tert butyl alcohol	5.542	59	86699	239.660	ug/l	99
12) 1,1-Dichloroethene	4.348	96	95035	48.134	ug/l	93
13) Acrolein	4.189	56	100098	240.251	ug/l	99
14) Allyl chloride	5.036	41	124561	50.662	ug/l	91
15) Acrylonitrile	5.730	53	225176	240.978	ug/l	99
16) Acetone	4.442	43	197670	238.696	ug/l	98
17) Carbon Disulfide	4.718	76	240092	45.957	ug/l	98
18) Methyl Acetate	5.036	43	115456	43.388	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	336763	50.706	ug/l	99
20) Methylene Chloride	5.283	84	111094	45.000	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	104713	47.459	ug/l	94
22) Diisopropyl ether	6.683	45	282718	50.538	ug/l	99
23) Vinyl Acetate	6.612	43	1113863m	261.117	ug/l	
24) 1,1-Dichloroethane	6.571	63	176766	48.003	ug/l	98
25) 2-Butanone	7.489	43	290712	240.139	ug/l	96
26) 2,2-Dichloropropane	7.494	77	156646	49.878	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	127914	47.754	ug/l	99
28) Bromochloromethane	7.818	49	76035	51.643	ug/l	99
29) Tetrahydrofuran	7.841	42	184495	247.254	ug/l	99
30) Chloroform	7.971	83	202303	49.599	ug/l	98
31) Cyclohexane	8.259	56	159427	44.034	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	185149	49.203	ug/l	99
36) 1,1-Dichloropropene	8.371	75	145660	50.622	ug/l	99
37) Ethyl Acetate	7.565	43	115203	49.867	ug/l	100
38) Carbon Tetrachloride	8.365	117	164843	49.646	ug/l	98
39) Methylcyclohexane	9.606	83	195889	53.688	ug/l	99
40) Benzene	8.612	78	448225	50.758	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	63765	53.829	ug/l	98
42) 1,2-Dichloroethane	8.677	62	149872	50.735	ug/l	100
43) Isopropyl Acetate	8.694	43	204980	53.147	ug/l	99
44) Trichloroethene	9.353	130	123532	49.587	ug/l	95
45) 1,2-Dichloropropane	9.624	63	106815	50.859	ug/l	96
46) Dibromomethane	9.712	93	81561	51.726	ug/l	99
47) Bromodichloromethane	9.888	83	161119	52.115	ug/l	92
48) Methyl methacrylate	9.683	41	93956	52.894	ug/l	98
49) 1,4-Dioxane	9.700	88	45153	1045.703	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	615276	258.716	ug/l	99
52) Toluene	10.635	92	302393	51.808	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	172992	56.656	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	187507	55.196	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	118169	51.492	ug/l	96
56) Ethyl methacrylate	10.877	69	170021	54.676	ug/l	99
57) 1,3-Dichloropropane	11.165	76	194415	52.413	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	271965	296.215	ug/l	99
59) 2-Hexanone	11.200	43	455581	263.677	ug/l	100
60) Dibromochloromethane	11.359	129	135055	53.481	ug/l	99
61) 1,2-Dibromoethane	11.471	107	126616	52.661	ug/l	99
64) Tetrachloroethene	11.106	164	112059	46.669	ug/l	98
65) Chlorobenzene	11.894	112	332983	49.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	125628	50.909	ug/l	99
67) Ethyl Benzene	11.965	91	591392	51.542	ug/l	98
68) m/p-Xylenes	12.071	106	479356	103.394	ug/l	99
69) o-Xylene	12.400	106	236075	52.474	ug/l	99
70) Styrene	12.412	104	393361	54.515	ug/l	99
71) Bromoform	12.582	173	100651	53.810	ug/l #	98
73) Isopropylbenzene	12.700	105	611495	49.905	ug/l	99
74) N-amyl acetate	12.494	43	191852	53.887	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	172009	46.731	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	145576m	42.477	ug/l	
77) Bromobenzene	12.982	156	151982	49.321	ug/l	98
78) n-propylbenzene	13.035	91	707813	52.057	ug/l	99
79) 2-Chlorotoluene	13.129	91	410312	48.880	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	534310	52.156	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	51386	48.913	ug/l	98
82) 4-Chlorotoluene	13.129	91	410312	48.880	ug/l	100
83) tert-Butylbenzene	13.441	119	472118	50.820	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	536214	52.079	ug/l	100
85) sec-Butylbenzene	13.618	105	671156	52.551	ug/l	99
86) p-Isopropyltoluene	13.729	119	571981	53.525	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	292082	50.684	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	286903	48.945	ug/l	99
89) n-Butylbenzene	14.059	91	469916	54.865	ug/l	100
90) Hexachloroethane	14.335	117	95523	52.186	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	280450	48.907	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30630	50.641	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	150233	54.569	ug/l	99
94) Hexachlorobutadiene	15.506	225	78773	50.430	ug/l	99
95) Naphthalene	15.641	128	437143	53.723	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	145141	53.653	ug/l	99

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

