

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086005.D
 Acq On : 19 Mar 2025 13:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2025
 Supervised By : Mahesh Dadoda 03/20/2025

Quant Time: Mar 20 01:28:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114478	53.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	8.165	113	92791	54.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.920%			
50) Toluene-d8	10.565	98	343592	56.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.140%			
62) 4-Bromofluorobenzene	12.847	95	124258	56.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	92790	44.674	ug/l	98
3) Chloromethane	2.359	50	74432	40.877	ug/l	99
4) Vinyl Chloride	2.512	62	80119	43.033	ug/l	98
5) Bromomethane	2.948	94	54047	42.618	ug/l	95
6) Chloroethane	3.118	64	49772	42.377	ug/l	96
7) Trichlorofluoromethane	3.495	101	153695	45.923	ug/l	99
8) Diethyl Ether	3.965	74	47103	45.974	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	80751	45.397	ug/l	99
10) Methyl Iodide	4.589	142	112007	48.326	ug/l	94
11) Tert butyl alcohol	5.524	59	60909	200.393	ug/l	99
12) 1,1-Dichloroethene	4.336	96	78379	48.799	ug/l	94
13) Acrolein	4.177	56	74293	229.169	ug/l	94
14) Allyl chloride	5.024	41	90585	45.207	ug/l	98
15) Acrylonitrile	5.712	53	191705	238.818	ug/l	99
16) Acetone	4.424	43	140077	213.575	ug/l	98
17) Carbon Disulfide	4.712	76	234761	44.444	ug/l	98
18) Methyl Acetate	5.018	43	72478	44.664	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	258833	49.178	ug/l	99
20) Methylene Chloride	5.277	84	91242	47.554	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	83987	47.848	ug/l	95
22) Diisopropyl ether	6.671	45	218069	51.070	ug/l	97
23) Vinyl Acetate	6.600	43	803463	248.216	ug/l	100
24) 1,1-Dichloroethane	6.565	63	151763	48.333	ug/l	100
25) 2-Butanone	7.483	43	212918	224.983	ug/l	98
26) 2,2-Dichloropropane	7.483	77	130381	43.130	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	98156	49.209	ug/l	99
28) Bromochloromethane	7.812	49	65585	49.300	ug/l	98
29) Tetrahydrofuran	7.835	42	148417	254.026	ug/l	98
30) Chloroform	7.965	83	170758	49.200	ug/l	100
31) Cyclohexane	8.253	56	119397	44.636	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	162997	49.613	ug/l	99
36) 1,1-Dichloropropene	8.365	75	115397	51.903	ug/l	99
37) Ethyl Acetate	7.553	43	87624	46.716	ug/l	99
38) Carbon Tetrachloride	8.359	117	152496	52.166	ug/l	99
39) Methylcyclohexane	9.600	83	104955	47.581	ug/l	95
40) Benzene	8.606	78	363650	52.103	ug/l	99

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41) Methacrylonitrile	7.777	41	45915	51.265	ug/l	98
42) 1,2-Dichloroethane	8.665	62	124542	51.211	ug/l	99
43) Isopropyl Acetate	8.688	43	148624	36.567	ug/l	100
44) Trichloroethene	9.347	130	84254	46.577	ug/l	99
45) 1,2-Dichloropropane	9.618	63	84042	52.942	ug/l	95
46) Dibromomethane	9.706	93	65507	52.472	ug/l	99
47) Bromodichloromethane	9.882	83	138145	52.947	ug/l	99
48) Methyl methacrylate	9.677	41	69708	51.973	ug/l	99
49) 1,4-Dioxane	9.694	88	33437	1054.588	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	480891	268.276	ug/l	98
52) Toluene	10.629	92	234563	54.758	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	128710	50.795	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	136311	50.987	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	86777	53.076	ug/l	97
56) Ethyl methacrylate	10.871	69	125491	49.336	ug/l	99
57) 1,3-Dichloropropane	11.159	76	146273	52.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	294743	291.749	ug/l	99
59) 2-Hexanone	11.194	43	352899	270.246	ug/l	98
60) Dibromochloromethane	11.359	129	113733	53.908	ug/l	100
61) 1,2-Dibromoethane	11.465	107	87811	52.316	ug/l	98
64) Tetrachloroethene	11.100	164	85277	46.898	ug/l	96
65) Chlorobenzene	11.888	112	249534	47.840	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96902	49.976	ug/l	99
67) Ethyl Benzene	11.959	91	437011	52.376	ug/l	99
68) m/p-Xylenes	12.071	106	351991	107.332	ug/l	100
69) o-Xylene	12.394	106	163972	54.478	ug/l	99
70) Styrene	12.412	104	282653	54.980	ug/l	99
71) Bromoform	12.576	173	80033	49.376	ug/l #	99
73) Isopropylbenzene	12.694	105	417333	48.357	ug/l	100
74) N-amyl acetate	12.488	43	135448	46.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	123214	42.200	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	145538m	51.438	ug/l	
77) Bromobenzene	12.976	156	108909	45.257	ug/l	98
78) n-propylbenzene	13.035	91	488311	49.967	ug/l	100
79) 2-Chlorotoluene	13.123	91	310349	47.811	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	367122	50.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	43097	40.270	ug/l	87
82) 4-Chlorotoluene	13.218	91	318643	47.736	ug/l	99
83) tert-Butylbenzene	13.435	119	295056	47.347	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	379991	51.705	ug/l	100
85) sec-Butylbenzene	13.612	105	408752	50.279	ug/l	99
86) p-Isopropyltoluene	13.729	119	349026	50.717	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	203836	46.992	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	201269	44.163	ug/l	99
89) n-Butylbenzene	14.053	91	263661	47.048	ug/l	99
90) Hexachloroethane	14.329	117	71019	44.724	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	199438	46.251	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26585	45.614	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	93852	43.286	ug/l	98
94) Hexachlorobutadiene	15.500	225	49394	39.267	ug/l	98
95) Naphthalene	15.641	128	270877	43.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	92289	44.858	ug/l	98

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

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