

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010625\
 Data File : VN085380.D
 Acq On : 06 Jan 2025 10:59
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/07/2025
 Supervised By : Mahesh Dadoda 01/07/2025

Quant Time: Jan 07 00:19:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123098	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	116931	50.599	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.200%
35) Dibromofluoromethane	8.159	113	90034	51.655	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.300%
50) Toluene-d8	10.565	98	327254	51.165	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.340%
62) 4-Bromofluorobenzene	12.847	95	111182	52.341	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122378	55.848	ug/l	98
3) Chloromethane	2.359	50	122786	49.856	ug/l	99
4) Vinyl Chloride	2.512	62	125780	48.291	ug/l	97
5) Bromomethane	2.953	94	66295	38.918	ug/l	91
6) Chloroethane	3.124	64	78107	47.286	ug/l	94
7) Trichlorofluoromethane	3.500	101	178048	52.002	ug/l	96
8) Diethyl Ether	3.959	74	56916	50.205	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	105232	54.015	ug/l	99
10) Methyl Iodide	4.588	142	102388	45.414	ug/l	97
11) Tert butyl alcohol	5.512	59	62729	216.774	ug/l	100
12) 1,1-Dichloroethene	4.341	96	93122	51.720	ug/l	99
13) Acrolein	4.177	56	97103	215.232	ug/l	99
14) Allyl chloride	5.024	41	145697	50.561	ug/l	99
15) Acrylonitrile	5.712	53	242884	266.679	ug/l	99
16) Acetone	4.424	43	195640	257.457	ug/l	99
17) Carbon Disulfide	4.712	76	293659	53.612	ug/l	98
18) Methyl Acetate	5.018	43	119339	51.296	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	300689	51.380	ug/l	95
20) Methylene Chloride	5.277	84	110447	54.036	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	102686	54.596	ug/l	95
22) Diisopropyl ether	6.665	45	341930	55.064	ug/l	98
23) Vinyl Acetate	6.600	43	1263195	281.197	ug/l	100
24) 1,1-Dichloroethane	6.565	63	200217	53.525	ug/l	99
25) 2-Butanone	7.477	43	308533	261.713	ug/l	98
26) 2,2-Dichloropropane	7.482	77	177800	54.254	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118284	53.581	ug/l	95
28) Bromochloromethane	7.806	49	93992	54.070	ug/l #	98
29) Tetrahydrofuran	7.835	42	213233	280.797	ug/l	97
30) Chloroform	7.959	83	202018	52.790	ug/l	100
31) Cyclohexane	8.253	56	176121	51.562	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	177231	51.857	ug/l	98
36) 1,1-Dichloropropene	8.365	75	146226	57.298	ug/l	99
37) Ethyl Acetate	7.553	43	132887	52.388	ug/l	98
38) Carbon Tetrachloride	8.359	117	159136	57.208	ug/l	96
39) Methylcyclohexane	9.600	83	153827	58.096	ug/l	97
40) Benzene	8.600	78	446424	57.858	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	74631	57.449	ug/l	98
42) 1,2-Dichloroethane	8.665	62	152683	55.192	ug/l	100
43) Isopropyl Acetate	8.682	43	226680	54.273	ug/l	99
44) Trichloroethene	9.347	130	98504	53.923	ug/l	99
45) 1,2-Dichloropropane	9.618	63	109862	56.089	ug/l	100
46) Dibromomethane	9.706	93	76089	55.857	ug/l	98
47) Bromodichloromethane	9.882	83	160406	56.655	ug/l	98
48) Methyl methacrylate	9.676	41	107064	59.075	ug/l	99
49) 1,4-Dioxane	9.688	88	30631	1120.203	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	676276	288.125	ug/l	100
52) Toluene	10.623	92	267932	58.319	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	157101	56.423	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	171751	57.045	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	98328	56.687	ug/l	97
56) Ethyl methacrylate	10.870	69	150254	59.477	ug/l	98
57) 1,3-Dichloropropane	11.159	76	175843	57.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	350321	286.623	ug/l	100
59) 2-Hexanone	11.194	43	480656	295.158	ug/l	99
60) Dibromochloromethane	11.353	129	115711	59.227	ug/l	99
61) 1,2-Dibromoethane	11.465	107	97685	56.923	ug/l	98
64) Tetrachloroethene	11.100	164	86195	54.780	ug/l	97
65) Chlorobenzene	11.888	112	287010	53.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	100177	55.622	ug/l	98
67) Ethyl Benzene	11.959	91	507141	56.827	ug/l	99
68) m/p-Xylenes	12.064	106	393042	120.347	ug/l	100
69) o-Xylene	12.394	106	181489	57.445	ug/l	99
70) Styrene	12.406	104	311158	60.768	ug/l	99
71) Bromoform	12.576	173	72650	58.240	ug/l #	100
73) Isopropylbenzene	12.694	105	466612	52.712	ug/l	100
74) N-amyl acetate	12.494	43	195727	51.656	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	138444	49.106	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	109830m	47.779	ug/l	
77) Bromobenzene	12.976	156	109693	50.017	ug/l	99
78) n-propylbenzene	13.029	91	569622	55.204	ug/l	100
79) 2-Chlorotoluene	13.123	91	335550	51.671	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	395616	55.253	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	48870	50.914	ug/l	99
82) 4-Chlorotoluene	13.217	91	344394	52.657	ug/l	100
83) tert-Butylbenzene	13.435	119	322876	52.057	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	403211	56.555	ug/l	99
85) sec-Butylbenzene	13.611	105	467589	54.312	ug/l	100
86) p-Isopropyltoluene	13.723	119	389567	50.541	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	212027	53.330	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	210676	51.586	ug/l	98
89) n-Butylbenzene	14.053	91	341217	54.124	ug/l	99
90) Hexachloroethane	14.329	117	77742	55.089	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	196719	51.941	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24972	49.768	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	93986	49.722	ug/l	99
94) Hexachlorobutadiene	15.500	225	44308	47.178	ug/l	96
95) Naphthalene	15.635	128	281083	43.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	90684	48.016	ug/l	99

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

