

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086331.D
 Acq On : 18 Apr 2025 08:47
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 02:18:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	236188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	423889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	376763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161323	47.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	8.165	113	91101	46.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	10.565	98	510956	48.596	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.847	95	189798	49.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	131229	46.870	ug/l	97
3) Chloromethane	2.359	50	173282	42.584	ug/l	97
4) Vinyl Chloride	2.512	62	168229	43.324	ug/l	99
5) Bromomethane	2.948	94	83048	47.547	ug/l	99
6) Chloroethane	3.118	64	107810	41.484	ug/l	98
7) Trichlorofluoromethane	3.501	101	202647	47.114	ug/l	98
8) Diethyl Ether	3.953	74	83205	44.311	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	121301	46.618	ug/l	98
10) Methyl Iodide	4.583	142	146739	51.295	ug/l	99
11) Tert butyl alcohol	5.512	59	132170	211.503	ug/l	99
12) 1,1-Dichloroethene	4.342	96	124494	44.784	ug/l	98
13) Acrolein	4.177	56	84549	292.731	ug/l	98
14) Allyl chloride	5.018	41	202723	41.022	ug/l	99
15) Acrylonitrile	5.718	53	334611	216.605	ug/l	99
16) Acetone	4.424	43	303596	256.533	ug/l	98
17) Carbon Disulfide	4.712	76	326368	39.209	ug/l	99
18) Methyl Acetate	5.018	43	170333	41.431	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	457681	44.788	ug/l	99
20) Methylene Chloride	5.271	84	140596	44.404	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	130165	44.787	ug/l	98
22) Diisopropyl ether	6.665	45	459761	42.767	ug/l	97
23) Vinyl Acetate	6.600	43	1577409	209.902	ug/l	98
24) 1,1-Dichloroethane	6.565	63	255998	45.132	ug/l	99
25) 2-Butanone	7.477	43	465306	218.264	ug/l	98
26) 2,2-Dichloropropane	7.489	77	234827	46.238	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	162511	45.051	ug/l	97
28) Bromochloromethane	7.812	49	109441	45.505	ug/l	94
29) Tetrahydrofuran	7.836	42	294610	206.660	ug/l	98
30) Chloroform	7.965	83	256332	46.004	ug/l	100
31) Cyclohexane	8.253	56	229811	41.404	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	220499	46.259	ug/l	96
36) 1,1-Dichloropropene	8.371	75	185409	47.185	ug/l	99
37) Ethyl Acetate	7.553	43	178747	43.208	ug/l	100
38) Carbon Tetrachloride	8.359	117	181994	48.635	ug/l	99
39) Methylcyclohexane	9.594	83	214236	45.870	ug/l	97
40) Benzene	8.600	78	584207	46.404	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	104098	43.417	ug/l	99
42) 1,2-Dichloroethane	8.665	62	187542	46.713	ug/l	100
43) Isopropyl Acetate	8.683	43	334414	44.866	ug/l	98
44) Trichloroethene	9.347	130	148399	49.732	ug/l	99
45) 1,2-Dichloropropane	9.618	63	141211	45.822	ug/l	97
46) Dibromomethane	9.706	93	95161	48.464	ug/l	97
47) Bromodichloromethane	9.883	83	203607	48.011	ug/l	98
48) Methyl methacrylate	9.677	41	156079	42.963	ug/l	97
49) 1,4-Dioxane	9.694	88	56065	907.282	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	949075	224.040	ug/l	98
52) Toluene	10.624	92	373968	47.605	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	228890	48.351	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	242944	46.724	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	134314	47.522	ug/l	94
56) Ethyl methacrylate	10.871	69	238214	45.852	ug/l	98
57) 1,3-Dichloropropane	11.159	76	236326	47.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	549395	222.800	ug/l	99
59) 2-Hexanone	11.194	43	701412	223.230	ug/l	100
60) Dibromochloromethane	11.359	129	151587	48.842	ug/l	100
61) 1,2-Dibromoethane	11.465	107	137619	48.256	ug/l	100
64) Tetrachloroethene	11.100	164	148063	51.090	ug/l	98
65) Chlorobenzene	11.888	112	400276	47.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	133163	48.008	ug/l	99
67) Ethyl Benzene	11.959	91	717863	47.313	ug/l	98
68) m/p-Xylenes	12.071	106	550207	96.780	ug/l	98
69) o-Xylene	12.394	106	268046	47.676	ug/l	98
70) Styrene	12.406	104	463582	49.487	ug/l	99
71) Bromoform	12.576	173	101155	48.437	ug/l #	99
73) Isopropylbenzene	12.694	105	670825	45.347	ug/l	100
74) N-amyl acetate	12.488	43	282331	38.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	177345	41.695	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	182484m	42.761	ug/l	
77) Bromobenzene	12.976	156	154897	47.257	ug/l	96
78) n-propylbenzene	13.035	91	799427	45.860	ug/l	100
79) 2-Chlorotoluene	13.123	91	489543	44.880	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	560282	46.275	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	80439m	45.268	ug/l	
82) 4-Chlorotoluene	13.218	91	500035	46.148	ug/l	99
83) tert-Butylbenzene	13.435	119	469841	44.785	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	568939	46.163	ug/l	100
85) sec-Butylbenzene	13.612	105	674782	46.371	ug/l	99
86) p-Isopropyltoluene	13.723	119	571163	47.619	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	301429	48.920	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	298877	48.158	ug/l	98
89) n-Butylbenzene	14.053	91	510444	48.012	ug/l	99
90) Hexachloroethane	14.329	117	92297	45.748	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	290139	48.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38381	44.752	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	141849	49.588	ug/l	99
94) Hexachlorobutadiene	15.494	225	54183	50.177	ug/l	99
95) Naphthalene	15.635	128	471384	46.486	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	130375	48.140	ug/l	99

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

