

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086659.D
 Acq On : 15 May 2025 20:50
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 16 05:35:13 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 05/16/2025
 Supervised By : Mahesh Dadoda 05/16/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	201107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	360980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128138	43.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.880%		
35) Dibromofluoromethane	8.165	113	103434	61.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	123.480%		
50) Toluene-d8	10.565	98	413564	46.188	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.380%		
62) 4-Bromofluorobenzene	12.847	95	154182	47.210	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	129660	54.388	ug/l	100
3) Chloromethane	2.359	50	162116	46.790	ug/l	99
4) Vinyl Chloride	2.512	62	158705	48.001	ug/l	99
5) Bromomethane	2.942	94	84857	57.058	ug/l	99
6) Chloroethane	3.112	64	101123	45.699	ug/l	96
7) Trichlorofluoromethane	3.495	101	193056	52.713	ug/l	97
8) Diethyl Ether	3.959	74	77162	48.261	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	116112	52.408	ug/l	98
10) Methyl Iodide	4.589	142	136115	55.881	ug/l	98
11) Tert butyl alcohol	5.518	59	124611	234.191	ug/l	99
12) 1,1-Dichloroethene	4.342	96	118963	50.259	ug/l	95
13) Acrolein	4.177	56	82381	337.297	ug/l	95
14) Allyl chloride	5.018	41	172766	41.059	ug/l	98
15) Acrylonitrile	5.712	53	325072	247.137	ug/l	99
16) Acetone	4.424	43	260047	258.100	ug/l	99
17) Carbon Disulfide	4.712	76	317766	44.835	ug/l	98
18) Methyl Acetate	5.018	43	153689	43.904	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	419261	48.186	ug/l	100
20) Methylene Chloride	5.271	84	137861	51.136	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	124435	50.284	ug/l	93
22) Diisopropyl ether	6.671	45	417314	45.591	ug/l	96
23) Vinyl Acetate	6.600	43	1534614	239.829	ug/l	96
24) 1,1-Dichloroethane	6.565	63	237314	49.137	ug/l	99
25) 2-Butanone	7.477	43	421112	231.991	ug/l	96
26) 2,2-Dichloropropane	7.488	77	176487	40.813	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	154677	50.360	ug/l	94
28) Bromochloromethane	7.812	49	82908	40.486	ug/l	89
29) Tetrahydrofuran	7.835	42	278431	229.381	ug/l	96
30) Chloroform	7.959	83	240886	50.773	ug/l	100
31) Cyclohexane	8.253	56	201535	42.644	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	205251	50.572	ug/l	98
36) 1,1-Dichloropropene	8.371	75	171686	51.307	ug/l	99
37) Ethyl Acetate	7.559	43	167808	47.633	ug/l	99
38) Carbon Tetrachloride	8.359	117	174717	54.827	ug/l	98
39) Methylcyclohexane	9.594	83	185615	46.668	ug/l	98
40) Benzene	8.600	78	555120	51.778	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	92817	45.459	ug/l	94
42) 1,2-Dichloroethane	8.665	62	173517	50.752	ug/l	99
43) Isopropyl Acetate	8.682	43	324704	51.631	ug/l	99
44) Trichloroethene	9.347	130	133363	52.482	ug/l	99
45) 1,2-Dichloropropane	9.618	63	134458	51.234	ug/l	96
46) Dibromomethane	9.706	93	90545	54.150	ug/l	95
47) Bromodichloromethane	9.882	83	190365	52.711	ug/l	99
48) Methyl methacrylate	9.677	41	138445	44.750	ug/l	95
49) 1,4-Dioxane	9.694	88	53749	1021.386	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	875599	242.717	ug/l	97
52) Toluene	10.629	92	355048	53.073	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	204210	50.655	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	215682	48.710	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	130125	54.063	ug/l	98
56) Ethyl methacrylate	10.871	69	224635	50.773	ug/l	94
57) 1,3-Dichloropropane	11.159	76	226557	53.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	431192	205.339	ug/l	97
59) 2-Hexanone	11.194	43	646521	241.619	ug/l	96
60) Dibromochloromethane	11.359	129	144658	54.732	ug/l	99
61) 1,2-Dibromoethane	11.465	107	133006	54.766	ug/l	100
64) Tetrachloroethene	11.100	164	125987	50.213	ug/l	98
65) Chlorobenzene	11.888	112	391835	53.828	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	129613	53.973	ug/l	100
67) Ethyl Benzene	11.959	91	679502	51.729	ug/l	100
68) m/p-Xylenes	12.065	106	521715	105.998	ug/l	96
69) o-Xylene	12.394	106	256426	52.681	ug/l	97
70) Styrene	12.406	104	433616	53.465	ug/l	98
71) Bromoform	12.576	173	95888	53.034	ug/l #	100
73) Isopropylbenzene	12.694	105	617843	50.386	ug/l	99
74) N-amyl acetate	12.488	43	267145	43.762	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	189145	53.647	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	152274m	43.046	ug/l	
77) Bromobenzene	12.976	156	149151	54.896	ug/l	93
78) n-propylbenzene	13.029	91	716570	49.592	ug/l	99
79) 2-Chlorotoluene	13.123	91	454764	50.297	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	499261	49.746	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	75695	51.391	ug/l	84
82) 4-Chlorotoluene	13.217	91	449362	50.031	ug/l	98
83) tert-Butylbenzene	13.435	119	422550	48.590	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	506427	49.572	ug/l	99
85) sec-Butylbenzene	13.612	105	585221	48.517	ug/l	98
86) p-Isopropyltoluene	13.723	119	491583	49.443	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	263201	51.532	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	265395	51.589	ug/l	97
89) n-Butylbenzene	14.053	91	413606	46.933	ug/l	99
90) Hexachloroethane	14.329	117	85173	50.930	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	255347	51.566	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33639	47.318	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	114875	48.446	ug/l	98
94) Hexachlorobutadiene	15.494	225	42435	47.409	ug/l	99
95) Naphthalene	15.635	128	407486	48.479	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	111645	49.733	ug/l	100

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

