

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086138.D
 Acq On : 26 Mar 2025 20:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 27 01:45:51 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	169623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135243	58.226	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.460%			
35) Dibromofluoromethane	8.165	113	110596	53.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	10.565	98	381848	50.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.847	95	140691	52.213	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82011	36.494	ug/l	96
3) Chloromethane	2.359	50	108979	55.317	ug/l	99
4) Vinyl Chloride	2.512	62	103084	51.175	ug/l	99
5) Bromomethane	2.947	94	73999	53.931	ug/l	100
6) Chloroethane	3.112	64	71667	56.397	ug/l	93
7) Trichlorofluoromethane	3.495	101	145534	40.191	ug/l	100
8) Diethyl Ether	3.959	74	70153	63.285	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	84274	43.790	ug/l	97
10) Methyl Iodide	4.583	142	138620	55.279	ug/l	99
11) Tert butyl alcohol	5.518	59	94924	288.650	ug/l	97
12) 1,1-Dichloroethene	4.336	96	84805	48.801	ug/l	98
13) Acrolein	4.183	56	61775	176.122	ug/l	97
14) Allyl chloride	5.024	41	126162	58.193	ug/l	94
15) Acrylonitrile	5.718	53	294081	338.606	ug/l	98
16) Acetone	4.424	43	211763	298.421	ug/l	99
17) Carbon Disulfide	4.706	76	238384	41.712	ug/l	98
18) Methyl Acetate	5.018	43	132558	75.502	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	369462	64.881	ug/l	97
20) Methylene Chloride	5.271	84	123830	59.651	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	101739	53.571	ug/l	98
22) Diisopropyl ether	6.671	45	322564	69.820	ug/l	98
23) Vinyl Acetate	6.600	43	1205462	344.201	ug/l	97
24) 1,1-Dichloroethane	6.565	63	199407	58.696	ug/l	99
25) 2-Butanone	7.482	43	338700	330.785	ug/l	93
26) 2,2-Dichloropropane	7.488	77	144911	44.305	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	128830	59.696	ug/l	98
28) Bromochloromethane	7.812	49	93030	64.633	ug/l	94
29) Tetrahydrofuran	7.835	42	231334	365.956	ug/l	94
30) Chloroform	7.965	83	213996	56.988	ug/l	99
31) Cyclohexane	8.253	56	123098	42.534	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	169265	47.619	ug/l	99
36) 1,1-Dichloropropene	8.365	75	122330	44.626	ug/l	99
37) Ethyl Acetate	7.553	43	135938	58.781	ug/l	98
38) Carbon Tetrachloride	8.359	117	149162	41.385	ug/l	97
39) Methylcyclohexane	9.600	83	108557	39.915	ug/l	92
40) Benzene	8.606	78	451598	52.478	ug/l	99

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41) Methacrylonitrile	7.777	41	73006	66.111	ug/l	96
42) 1,2-Dichloroethane	8.665	62	158969	53.016	ug/l	99
43) Isopropyl Acetate	8.688	43	248862	49.660	ug/l	94
44) Trichloroethene	9.347	130	97307	43.629	ug/l	95
45) 1,2-Dichloropropane	9.618	63	112520	57.488	ug/l	95
46) Dibromomethane	9.706	93	86713	56.335	ug/l	98
47) Bromodichloromethane	9.888	83	175292	54.490	ug/l	97
48) Methyl methacrylate	9.676	41	105777	63.964	ug/l	98
49) 1,4-Dioxane	9.694	88	47420	1213.018	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	729178	329.927	ug/l	98
52) Toluene	10.629	92	277758	52.590	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	173326	55.478	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	187717	56.949	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	118547	58.808	ug/l	96
56) Ethyl methacrylate	10.871	69	183825	56.881	ug/l	98
57) 1,3-Dichloropropane	11.159	76	199137	58.161	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	414605	324.376	ug/l	96
59) 2-Hexanone	11.194	43	534086	331.719	ug/l	98
60) Dibromochloromethane	11.359	129	143925	55.329	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117007	56.539	ug/l	97
64) Tetrachloroethene	11.100	164	86768	39.118	ug/l	98
65) Chlorobenzene	11.888	112	302126	47.483	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	114808	48.539	ug/l	95
67) Ethyl Benzene	11.965	91	481325	47.290	ug/l	99
68) m/p-Xylenes	12.070	106	389180	97.284	ug/l	98
69) o-Xylene	12.394	106	189393	51.583	ug/l	98
70) Styrene	12.412	104	334569	53.349	ug/l	98
71) Bromoform	12.576	173	103058	52.121	ug/l #	99
73) Isopropylbenzene	12.694	105	437333	45.622	ug/l	99
74) N-amyl acetate	12.494	43	195624	60.996	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	172050	53.051	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	164680m	52.400	ug/l	
77) Bromobenzene	12.976	156	126286	47.246	ug/l	95
78) n-propylbenzene	13.035	91	505397	46.560	ug/l	99
79) 2-Chlorotoluene	13.123	91	341837	47.412	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382694	47.285	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	65016	54.695	ug/l	96
82) 4-Chlorotoluene	13.217	91	346312	46.709	ug/l	98
83) tert-Butylbenzene	13.435	119	301237	43.519	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	401306	49.161	ug/l	99
85) sec-Butylbenzene	13.611	105	414364	45.888	ug/l	99
86) p-Isopropyltoluene	13.729	119	351263	45.953	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	220509	45.768	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	218845	43.232	ug/l	99
89) n-Butylbenzene	14.053	91	269430	43.284	ug/l	99
90) Hexachloroethane	14.329	117	71052	40.284	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	226649	47.321	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33601	51.904	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	102605	42.605	ug/l	99
94) Hexachlorobutadiene	15.500	225	47400	33.925	ug/l	100
95) Naphthalene	15.641	128	346355	49.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	103041	45.091	ug/l	98

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

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