

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086189.D
 Acq On : 31 Mar 2025 23:29
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 01 01:42:29 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 04/01/2025
 Supervised By : Mahesh Dadoda 04/01/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	143667	64.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.340%#			
35) Dibromofluoromethane	8.165	113	121254	48.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	10.565	98	457535	50.338	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.847	95	110530	34.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 68.200%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	148480	69.079	ug/l	100
3) Chloromethane	2.359	50	107900	57.261	ug/l	98
4) Vinyl Chloride	2.512	62	119511	62.029	ug/l	99
5) Bromomethane	2.942	94	72872	55.526	ug/l	95
6) Chloroethane	3.112	64	73389	60.380	ug/l	92
7) Trichlorofluoromethane	3.494	101	227867	65.791	ug/l	97
8) Diethyl Ether	3.959	74	76048	71.724	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	127642	69.342	ug/l	97
10) Methyl Iodide	4.589	142	171800	71.627	ug/l	96
11) Tert butyl alcohol	5.518	59	88604	281.691	ug/l	99
12) 1,1-Dichloroethene	4.336	96	120790	72.671	ug/l	93
13) Acrolein	4.183	56	129570	386.216	ug/l	97
14) Allyl chloride	5.024	41	148666	71.694	ug/l	96
15) Acrylonitrile	5.718	53	294949	355.058	ug/l	97
16) Acetone	4.424	43	217436	320.357	ug/l	97
17) Carbon Disulfide	4.712	76	366055	66.965	ug/l	100
18) Methyl Acetate	5.024	43	124681	74.246	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	385693	70.813	ug/l	98
20) Methylene Chloride	5.271	84	138774	69.891	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	130094	71.619	ug/l	99
22) Diisopropyl ether	6.671	45	355574	80.467	ug/l	97
23) Vinyl Acetate	6.600	43	1318227	393.525	ug/l	97
24) 1,1-Dichloroethane	6.565	63	235937	72.609	ug/l	99
25) 2-Butanone	7.482	43	339635	346.791	ug/l	96
26) 2,2-Dichloropropane	7.488	77	167269	53.468	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	149982	72.659	ug/l	98
28) Bromochloromethane	7.812	49	104054	75.582	ug/l	91
29) Tetrahydrofuran	7.835	42	232644	384.774	ug/l	94
30) Chloroform	7.965	83	245456	68.340	ug/l	100
31) Cyclohexane	8.259	56	143433	51.815	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	222134	65.336	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155042	47.016	ug/l	99
37) Ethyl Acetate	7.553	43	142896	51.363	ug/l	98
38) Carbon Tetrachloride	8.359	117	192887	44.486	ug/l	100
39) Methylcyclohexane	9.600	83	171941	52.553	ug/l	97
40) Benzene	8.606	78	550112	53.140	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	73909	55.636	ug/l	94
42) 1,2-Dichloroethane	8.665	62	171115	47.438	ug/l	97
43) Isopropyl Acetate	8.688	43	276286	45.829	ug/l	93
44) Trichloroethene	9.353	130	126703	47.224	ug/l	98
45) 1,2-Dichloropropane	9.618	63	131592	55.888	ug/l	97
46) Dibromomethane	9.706	93	94488	51.028	ug/l	99
47) Bromodichloromethane	9.888	83	192742	49.805	ug/l	99
48) Methyl methacrylate	9.676	41	111413	56.004	ug/l	95
49) 1,4-Dioxane	9.694	88	46198	982.357	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	744493	280.018	ug/l	97
52) Toluene	10.629	92	346598	54.551	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	171699	45.685	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	206593	52.100	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	127177	52.443	ug/l	97
56) Ethyl methacrylate	10.870	69	183688	48.795	ug/l	97
57) 1,3-Dichloropropane	11.159	76	216231	52.498	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	446159	296.592	ug/l	97
59) 2-Hexanone	11.194	43	535505	276.480	ug/l	96
60) Dibromochloromethane	11.359	129	157326	50.276	ug/l	98
61) 1,2-Dibromoethane	11.465	107	128011	51.419	ug/l	98
64) Tetrachloroethene	11.100	164	118537	45.579	ug/l	97
65) Chlorobenzene	11.888	112	369024	49.466	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	135249	48.770	ug/l	98
67) Ethyl Benzene	11.959	91	635686	53.269	ug/l	97
68) m/p-Xylenes	12.070	106	513033	109.379	ug/l	97
69) o-Xylene	12.394	106	238286	55.352	ug/l	97
70) Styrene	12.412	104	408584	55.568	ug/l	98
71) Bromoform	12.576	173	109572	47.264	ug/l #	99
73) Isopropylbenzene	12.694	105	589561	74.292	ug/l	99
74) N-amyl acetate	12.494	43	208714	78.611	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	111393	41.491	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	110257m	42.379	ug/l	
77) Bromobenzene	12.976	156	102286	46.225	ug/l	95
78) n-propylbenzene	13.035	91	450087	50.087	ug/l	100
79) 2-Chlorotoluene	13.123	91	291793	48.887	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	347386	51.848	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61865	62.867	ug/l	98
82) 4-Chlorotoluene	13.217	91	302639	49.307	ug/l	100
83) tert-Butylbenzene	13.435	119	283364	49.450	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	363324	53.764	ug/l	100
85) sec-Butylbenzene	13.611	105	390728	52.269	ug/l	100
86) p-Isopropyltoluene	13.729	119	337436	53.325	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	191193	47.935	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	188074	44.879	ug/l	99
89) n-Butylbenzene	14.053	91	264764	51.380	ug/l	99
90) Hexachloroethane	14.329	117	67663	46.340	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	186890	47.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25061	46.762	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	94374	47.336	ug/l	97
94) Hexachlorobutadiene	15.500	225	49501	42.796	ug/l	99
95) Naphthalene	15.641	128	294092	50.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	95161	50.302	ug/l	99

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

