

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086065.D
 Acq On : 24 Mar 2025 12:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 25 01:19:38 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 03/25/2025
 Supervised By :Mahesh Dadoda 03/25/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	160831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113674	51.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.165	113	93532	52.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.100%			
50) Toluene-d8	10.565	98	345415	53.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.940%			
62) 4-Bromofluorobenzene	12.847	95	125860	54.636	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	101660	47.711	ug/l	100
3) Chloromethane	2.359	50	85167	45.593	ug/l	99
4) Vinyl Chloride	2.512	62	92250	48.300	ug/l	99
5) Bromomethane	2.942	94	58638	45.072	ug/l	98
6) Chloroethane	3.106	64	57359	47.605	ug/l	99
7) Trichlorofluoromethane	3.495	101	167450	48.771	ug/l	100
8) Diethyl Ether	3.959	74	49946	47.519	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	91819	50.318	ug/l	99
10) Methyl Iodide	4.583	142	119418	50.225	ug/l	93
11) Tert butyl alcohol	5.518	59	65344	209.563	ug/l	98
12) 1,1-Dichloroethene	4.342	96	83333	50.575	ug/l	95
13) Acrolein	4.177	56	95822	288.126	ug/l	98
14) Allyl chloride	5.024	41	94243	45.847	ug/l	98
15) Acrylonitrile	5.718	53	215855	262.123	ug/l	99
16) Acetone	4.424	43	155671	231.367	ug/l	98
17) Carbon Disulfide	4.706	76	244233	45.071	ug/l	99
18) Methyl Acetate	5.018	43	88624	53.237	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	276934	51.290	ug/l	99
20) Methylene Chloride	5.271	84	102160	51.902	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	93179	51.746	ug/l	93
22) Diisopropyl ether	6.671	45	234557	53.546	ug/l	97
23) Vinyl Acetate	6.600	43	877767	264.334	ug/l	100
24) 1,1-Dichloroethane	6.565	63	166473	51.681	ug/l	98
25) 2-Butanone	7.477	43	243752	251.070	ug/l	96
26) 2,2-Dichloropropane	7.488	77	149654	48.257	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	108327	52.939	ug/l	98
28) Bromochloromethane	7.812	49	65134	47.726	ug/l	99
29) Tetrahydrofuran	7.835	42	165187	275.601	ug/l	99
30) Chloroform	7.965	83	187259	52.594	ug/l	98
31) Cyclohexane	8.253	56	129779	47.294	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	175140	51.965	ug/l	99
36) 1,1-Dichloropropene	8.371	75	123380	52.647	ug/l	99
37) Ethyl Acetate	7.559	43	96734	48.927	ug/l	99
38) Carbon Tetrachloride	8.359	117	165729	53.784	ug/l	99
39) Methylcyclohexane	9.600	83	113366	48.757	ug/l	92
40) Benzene	8.606	78	398483	54.164	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	49592	52.530	ug/l	99
42) 1,2-Dichloroethane	8.671	62	133507	52.081	ug/l	100
43) Isopropyl Acetate	8.688	43	164277	38.344	ug/l	99
44) Trichloroethene	9.353	130	91449	47.961	ug/l	98
45) 1,2-Dichloropropane	9.618	63	91787	54.854	ug/l	94
46) Dibromomethane	9.706	93	71246	54.141	ug/l	99
47) Bromodichloromethane	9.882	83	147018	53.456	ug/l	100
48) Methyl methacrylate	9.682	41	75908	53.692	ug/l	99
49) 1,4-Dioxane	9.694	88	36152	1081.716	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	542700	287.223	ug/l	99
52) Toluene	10.629	92	255909	56.676	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	141005	52.792	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	148960	52.860	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	95811	55.595	ug/l	98
56) Ethyl methacrylate	10.871	69	138828	51.359	ug/l	99
57) 1,3-Dichloropropane	11.159	76	161606	55.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	320884	299.470	ug/l	99
59) 2-Hexanone	11.194	43	401637	291.788	ug/l	98
60) Dibromochloromethane	11.359	129	125776	56.558	ug/l	99
61) 1,2-Dibromoethane	11.465	107	96000	54.260	ug/l	97
64) Tetrachloroethene	11.106	164	95327	49.946	ug/l	96
65) Chlorobenzene	11.888	112	273164	49.894	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	107010	52.579	ug/l	100
67) Ethyl Benzene	11.965	91	471884	53.881	ug/l	98
68) m/p-Xylenes	12.070	106	387149	112.471	ug/l	100
69) o-Xylene	12.394	106	179833	56.922	ug/l	99
70) Styrene	12.406	104	316894	58.725	ug/l	99
71) Bromoform	12.576	173	88913	52.260	ug/l #	98
73) Isopropylbenzene	12.694	105	447787	49.364	ug/l	99
74) N-amyl acetate	12.494	43	147494	48.600	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	142242	46.350	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	137503m	46.237	ug/l	
77) Bromobenzene	12.976	156	121345	47.975	ug/l	97
78) n-propylbenzene	13.035	91	536585	52.239	ug/l	100
79) 2-Chlorotoluene	13.123	91	339986	49.832	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	404505	52.817	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	49866	44.331	ug/l	96
82) 4-Chlorotoluene	13.217	91	352049	50.178	ug/l	98
83) tert-Butylbenzene	13.435	119	315522	48.171	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	414523	53.663	ug/l	100
85) sec-Butylbenzene	13.617	105	442387	51.773	ug/l	99
86) p-Isopropyltoluene	13.729	119	380786	52.644	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	225724	49.510	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	222451	46.439	ug/l	100
89) n-Butylbenzene	14.053	91	295205	50.117	ug/l	99
90) Hexachloroethane	14.329	117	78937	47.295	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	219219	48.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28135	45.928	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	100819	44.240	ug/l	98
94) Hexachlorobutadiene	15.494	225	54079	40.902	ug/l	98
95) Naphthalene	15.641	128	301701	45.720	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	101083	46.745	ug/l	98

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

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