

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l	100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l	100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l	
44) Trichloroethene	9.347	130	105089	46.260	ug/l	100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l	100
46) Dibromomethane	9.706	93	73743	47.036	ug/l	100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l	100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l	100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l	100
52) Toluene	10.630	92	277914	51.661	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l	100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l	100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l	100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l	100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l	100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l	100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l	100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l	100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l	100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l	100
69) o-Xylene	12.394	106	195107	54.023	ug/l	100
70) Styrene	12.406	104	333544	54.070	ug/l	100
71) Bromoform	12.577	173	94268	48.469	ug/l #	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l	100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l	
77) Bromobenzene	12.976	156	125436	47.769	ug/l	100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l	100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l	100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l	100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l	100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l	100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l	100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l	100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l	100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l	100
95) Naphthalene	15.641	128	359331	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l	100

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

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