

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086201.D
 Acq On : 02 Apr 2025 11:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:33:59 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

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	144621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	219576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	90834	45.868	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.740%		
35) Dibromofluoromethane	8.159	113	66106	43.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.260%		
50) Toluene-d8	10.565	98	255215	45.883	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.760%		
62) 4-Bromofluorobenzene	12.847	95	104281	52.569	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	107760	56.242	ug/l	97
3) Chloromethane	2.359	50	81831	48.718	ug/l	99
4) Vinyl Chloride	2.512	62	91736	53.414	ug/l	94
5) Bromomethane	2.948	94	48673	41.606	ug/l	98
6) Chloroethane	3.118	64	53852	49.704	ug/l	92
7) Trichlorofluoromethane	3.495	101	157550	51.031	ug/l	95
8) Diethyl Ether	3.965	74	44383	46.960	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	78665	47.942	ug/l	98
10) Methyl Iodide	4.589	142	96430	45.102	ug/l #	89
11) Tert butyl alcohol	5.518	59	70503	251.452	ug/l	97
12) 1,1-Dichloroethene	4.342	96	73828	49.829	ug/l	97
13) Acrolein	4.177	56	14838	49.617	ug/l	89
14) Allyl chloride	5.018	41	80304	43.445	ug/l	90
15) Acrylonitrile	5.712	53	159852	215.874	ug/l	98
16) Acetone	4.424	43	115744	191.307	ug/l	99
17) Carbon Disulfide	4.712	76	198987	40.837	ug/l	100
18) Methyl Acetate	5.024	43	82289	54.972	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	261289	53.817	ug/l	95
20) Methylene Chloride	5.265	84	77695	43.897	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	78254	48.329	ug/l	95
22) Diisopropyl ether	6.671	45	175769	44.623	ug/l	94
23) Vinyl Acetate	6.600	43	690715	231.319	ug/l	97
24) 1,1-Dichloroethane	6.571	63	132672	45.804	ug/l	97
25) 2-Butanone	7.477	43	185743	212.763	ug/l	96
26) 2,2-Dichloropropane	7.483	77	149943	53.769	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	91010	49.462	ug/l	98
28) Bromochloromethane	7.806	49	47262	38.512	ug/l	87
29) Tetrahydrofuran	7.836	42	119127	221.031	ug/l	90
30) Chloroform	7.965	83	156456	48.868	ug/l	97
31) Cyclohexane	8.253	56	112656	45.655	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	159793	52.726	ug/l	98
36) 1,1-Dichloropropene	8.365	75	106928	52.985	ug/l	100
37) Ethyl Acetate	7.553	43	74186	43.574	ug/l	97
38) Carbon Tetrachloride	8.359	117	146655	55.270	ug/l	98
39) Methylcyclohexane	9.600	83	117789	58.830	ug/l	97
40) Benzene	8.600	78	319676	50.460	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	40875	50.279	ug/l	97
42) 1,2-Dichloroethane	8.671	62	120735	54.694	ug/l	98
43) Isopropyl Acetate	8.683	43	142790	38.704	ug/l	98
44) Trichloroethene	9.347	130	89604	54.572	ug/l	90
45) 1,2-Dichloropropane	9.618	63	68985	47.876	ug/l	94
46) Dibromomethane	9.706	93	59028	52.091	ug/l	99
47) Bromodichloromethane	9.882	83	123918	52.324	ug/l	98
48) Methyl methacrylate	9.677	41	63104	51.834	ug/l	92
49) 1,4-Dioxane	9.688	88	32967	1145.504	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	414837	254.961	ug/l	99
52) Toluene	10.624	92	218177	56.112	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	134487	58.473	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	134684	55.502	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	77439	52.181	ug/l	94
56) Ethyl methacrylate	10.871	69	122936	52.561	ug/l	97
57) 1,3-Dichloropropane	11.159	76	130844	51.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	313595	331.447	ug/l	95
59) 2-Hexanone	11.194	43	311432	262.745	ug/l	99
60) Dibromochloromethane	11.359	129	101587	53.048	ug/l	96
61) 1,2-Dibromoethane	11.465	107	81558	53.532	ug/l	97
64) Tetrachloroethene	11.100	164	98156	60.431	ug/l	98
65) Chlorobenzene	11.888	112	240954	51.714	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	90186	52.070	ug/l	97
67) Ethyl Benzene	11.959	91	424561	56.964	ug/l	99
68) m/p-Xylenes	12.071	106	338625	115.594	ug/l	99
69) o-Xylene	12.394	106	158721	59.034	ug/l	97
70) Styrene	12.406	104	274781	59.835	ug/l	98
71) Bromoform	12.576	173	74838	51.687	ug/l #	100
73) Isopropylbenzene	12.694	105	412584	53.509	ug/l	100
74) N-amyl acetate	12.494	43	125029	48.467	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	102553	39.314	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	111863m	44.252	ug/l	
77) Bromobenzene	12.976	156	104871	48.777	ug/l	98
78) n-propylbenzene	13.035	91	470338	53.869	ug/l	98
79) 2-Chlorotoluene	13.123	91	304265	52.466	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	370447	56.905	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44943	47.005	ug/l #	84
82) 4-Chlorotoluene	13.218	91	317438	53.228	ug/l	99
83) tert-Butylbenzene	13.435	119	316336	56.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	378751	57.684	ug/l	99
85) sec-Butylbenzene	13.612	105	410436	56.509	ug/l	99
86) p-Isopropyltoluene	13.723	119	371810	60.473	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	203750	52.575	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	199065	48.890	ug/l	98
89) n-Butylbenzene	14.053	91	298523	59.623	ug/l	98
90) Hexachloroethane	14.329	117	60870	42.906	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	192770	50.037	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28342	54.429	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	114913	59.322	ug/l	98
94) Hexachlorobutadiene	15.500	225	59817	53.225	ug/l	99
95) Naphthalene	15.635	128	357971	63.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	109372	59.503	ug/l	98

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

