

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086313.D
 Acq On : 17 Apr 2025 11:19
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 05:11:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	194706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	355364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147993	52.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	8.159	113	84782	51.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	10.565	98	470740	53.405	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.847	95	171395	53.310	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	108146	46.855	ug/l	100
3) Chloromethane	2.359	50	148428	44.248	ug/l	99
4) Vinyl Chloride	2.512	62	144775	45.227	ug/l	99
5) Bromomethane	2.948	94	72718	50.503	ug/l	97
6) Chloroethane	3.112	64	93316	43.557	ug/l	98
7) Trichlorofluoromethane	3.500	101	161683	45.599	ug/l	100
8) Diethyl Ether	3.959	74	69457	44.870	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	95423	44.486	ug/l	98
10) Methyl Iodide	4.589	142	123696	52.452	ug/l	98
11) Tert butyl alcohol	5.518	59	117381	227.855	ug/l	100
12) 1,1-Dichloroethene	4.342	96	102438	44.700	ug/l	96
13) Acrolein	4.177	56	79384	335.636	ug/l	99
14) Allyl chloride	5.018	41	186321	45.736	ug/l	93
15) Acrylonitrile	5.712	53	293730	230.650	ug/l	100
16) Acetone	4.424	43	232254	237.641	ug/l	97
17) Carbon Disulfide	4.712	76	276541	40.302	ug/l	99
18) Methyl Acetate	5.018	43	142072	41.919	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	372805	44.255	ug/l	99
20) Methylene Chloride	5.277	84	116481	44.626	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	107950	45.056	ug/l	95
22) Diisopropyl ether	6.665	45	382442	43.154	ug/l	98
23) Vinyl Acetate	6.600	43	1352971	218.393	ug/l	100
24) 1,1-Dichloroethane	6.565	63	208874	44.670	ug/l	99
25) 2-Butanone	7.477	43	392044	223.078	ug/l	99
26) 2,2-Dichloropropane	7.488	77	187241	44.723	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	132427	44.533	ug/l	98
28) Bromochloromethane	7.812	49	104821	52.870	ug/l	97
29) Tetrahydrofuran	7.835	42	257358	218.990	ug/l	99
30) Chloroform	7.965	83	207915	45.264	ug/l	100
31) Cyclohexane	8.253	56	185333	40.505	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	178070	45.317	ug/l	99
36) 1,1-Dichloropropene	8.365	75	150213	45.599	ug/l	99
37) Ethyl Acetate	7.559	43	153122	44.151	ug/l	100
38) Carbon Tetrachloride	8.359	117	143800	45.838	ug/l	96
39) Methylcyclohexane	9.594	83	176223	45.007	ug/l	97
40) Benzene	8.600	78	482183	45.685	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	87387	43.476	ug/l	97
42) 1,2-Dichloroethane	8.665	62	154961	46.041	ug/l	99
43) Isopropyl Acetate	8.682	43	292443	46.941	ug/l	99
44) Trichloroethene	9.347	130	117610	47.014	ug/l	98
45) 1,2-Dichloropropane	9.618	63	118562	45.891	ug/l	99
46) Dibromomethane	9.706	93	80282	48.771	ug/l	98
47) Bromodichloromethane	9.882	83	166807	46.918	ug/l	97
48) Methyl methacrylate	9.677	41	135297	44.424	ug/l	99
49) 1,4-Dioxane	9.694	88	49343	952.478	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	820255	230.969	ug/l	99
52) Toluene	10.629	92	304999	46.313	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	188456	47.486	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	198527	45.544	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	109495	46.211	ug/l	95
56) Ethyl methacrylate	10.871	69	198789	45.642	ug/l	99
57) 1,3-Dichloropropane	11.159	76	197924	47.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	582781	281.913	ug/l	100
59) 2-Hexanone	11.194	43	609621	231.429	ug/l	100
60) Dibromochloromethane	11.359	129	123863	47.605	ug/l	100
61) 1,2-Dibromoethane	11.465	107	113960	47.665	ug/l	100
64) Tetrachloroethene	11.100	164	113781	47.137	ug/l	98
65) Chlorobenzene	11.888	112	323842	46.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	108112	46.795	ug/l	100
67) Ethyl Benzene	11.959	91	578377	45.767	ug/l	99
68) m/p-Xylenes	12.065	106	433510	91.551	ug/l	99
69) o-Xylene	12.394	106	215546	46.029	ug/l	99
70) Styrene	12.406	104	371156	47.569	ug/l	100
71) Bromoform	12.576	173	82123	47.213	ug/l #	99
73) Isopropylbenzene	12.694	105	531032	44.677	ug/l	100
74) N-amyl acetate	12.488	43	245624	41.510	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	149057	43.615	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	154144m	44.954	ug/l	
77) Bromobenzene	12.976	156	121769	46.236	ug/l	99
78) n-propylbenzene	13.035	91	633240	45.212	ug/l	100
79) 2-Chlorotoluene	13.123	91	392811	44.820	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	441162	45.348	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	74209	51.976	ug/l	87
82) 4-Chlorotoluene	13.217	91	399209	45.854	ug/l	99
83) tert-Butylbenzene	13.435	119	377848	44.825	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	450303	45.473	ug/l	100
85) sec-Butylbenzene	13.612	105	541251	46.292	ug/l	100
86) p-Isopropyltoluene	13.729	119	457364	47.458	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	231988	46.858	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	229733	46.070	ug/l	99
89) n-Butylbenzene	14.053	91	417614	48.888	ug/l	99
90) Hexachloroethane	14.329	117	74407	45.901	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	222971	46.453	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32045	46.503	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	112385	48.897	ug/l	99
94) Hexachlorobutadiene	15.494	225	43936	50.639	ug/l	99
95) Naphthalene	15.635	128	380407	46.690	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	104419	47.986	ug/l	98

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

