

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085993.D
 Acq On : 14 Mar 2025 16:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 15 00:05:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	171602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	83945	37.732	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	75.460%
35) Dibromofluoromethane	8.165	113	68137	38.080	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	76.160%
50) Toluene-d8	10.565	98	244917	37.621	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	75.240%#
62) 4-Bromofluorobenzene	12.847	95	92696	43.217	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	105628	45.254	ug/l	95
3) Chloromethane	2.359	50	84263	35.976	ug/l	96
4) Vinyl Chloride	2.512	62	89373	36.039	ug/l	98
5) Bromomethane	2.948	94	54028	34.072	ug/l	87
6) Chloroethane	3.112	64	53047	32.294	ug/l	89
7) Trichlorofluoromethane	3.495	101	157099	43.754	ug/l	99
8) Diethyl Ether	3.959	74	50696	43.638	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	87016	41.926	ug/l	100
10) Methyl Iodide	4.589	142	115648	45.204	ug/l	95
11) Tert butyl alcohol	5.512	59	59536	217.579	ug/l	98
12) 1,1-Dichloroethene	4.342	96	81556	43.338	ug/l	97
13) Acrolein	4.177	56	75690	186.532	ug/l	100
14) Allyl chloride	5.030	41	103201	41.770	ug/l	96
15) Acrylonitrile	5.712	53	191076	214.801	ug/l	99
16) Acetone	4.424	43	140261	199.247	ug/l	98
17) Carbon Disulfide	4.712	76	233105	41.796	ug/l	100
18) Methyl Acetate	5.018	43	82277	33.981	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	276679	49.477	ug/l	97
20) Methylene Chloride	5.277	84	93290	41.209	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	86160	42.521	ug/l	94
22) Diisopropyl ether	6.671	45	235204	42.130	ug/l	96
23) Vinyl Acetate	6.600	43	836575	218.850	ug/l	97
24) 1,1-Dichloroethane	6.565	63	159383	41.996	ug/l	98
25) 2-Butanone	7.483	43	213105	205.770	ug/l	98
26) 2,2-Dichloropropane	7.489	77	152426	45.167	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	101207	43.076	ug/l	99
28) Bromochloromethane	7.812	49	60653	38.884	ug/l	95
29) Tetrahydrofuran	7.836	42	144285	215.749	ug/l	92
30) Chloroform	7.965	83	173735	43.805	ug/l	100
31) Cyclohexane	8.259	56	128723	40.509	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	162885	46.174	ug/l	97
36) 1,1-Dichloropropene	8.371	75	117235	46.295	ug/l	99
37) Ethyl Acetate	7.553	43	87948	42.202	ug/l #	97
38) Carbon Tetrachloride	8.359	117	151549	50.366	ug/l	93
39) Methylcyclohexane	9.600	83	117598	47.270	ug/l	96
40) Benzene	8.606	78	371456	45.766	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	48022	43.106	ug/l	89
42) 1,2-Dichloroethane	8.671	62	125546	47.488	ug/l	99
43) Isopropyl Acetate	8.683	43	161236	44.020	ug/l	96
44) Trichloroethene	9.347	130	87704	44.010	ug/l	97
45) 1,2-Dichloropropane	9.618	63	87741	44.785	ug/l	93
46) Dibromomethane	9.706	93	65589	47.463	ug/l	99
47) Bromodichloromethane	9.888	83	139486	47.179	ug/l	100
48) Methyl methacrylate	9.677	41	72736	46.996	ug/l	94
49) 1,4-Dioxane	9.688	88	31233	1061.219	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	467884	232.866	ug/l	95
52) Toluene	10.629	92	241448	50.749	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	139392	50.987	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	145823	48.642	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	87615	46.317	ug/l	97
56) Ethyl methacrylate	10.871	69	133550	49.200	ug/l	95
57) 1,3-Dichloropropane	11.159	76	150019	47.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	260575	247.060	ug/l	96
59) 2-Hexanone	11.194	43	337664	244.286	ug/l	95
60) Dibromochloromethane	11.359	129	111245	50.504	ug/l	98
61) 1,2-Dibromoethane	11.465	107	88474	49.502	ug/l	98
64) Tetrachloroethene	11.100	164	83686	43.544	ug/l	97
65) Chlorobenzene	11.888	112	256915	45.207	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	95886	46.941	ug/l	97
67) Ethyl Benzene	11.959	91	447268	50.242	ug/l	99
68) m/p-Xylenes	12.071	106	354743	104.906	ug/l	97
69) o-Xylene	12.394	106	169179	52.649	ug/l	98
70) Styrene	12.406	104	289792	48.607	ug/l	98
71) Bromoform	12.576	173	78490	51.711	ug/l #	98
73) Isopropylbenzene	12.694	105	424070	46.522	ug/l	100
74) N-amyl acetate	12.488	43	138967	43.231	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	124086	39.559	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	119724m	40.508	ug/l	
77) Bromobenzene	12.976	156	107239	43.545	ug/l	98
78) n-propylbenzene	13.035	91	495957	47.508	ug/l	100
79) 2-Chlorotoluene	13.123	91	316622	45.394	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	369726	49.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	43187	42.634	ug/l	96
82) 4-Chlorotoluene	13.218	91	322574	46.650	ug/l	99
83) tert-Butylbenzene	13.435	119	302967	48.520	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	377701	51.413	ug/l	99
85) sec-Butylbenzene	13.612	105	413853	46.910	ug/l	98
86) p-Isopropyltoluene	13.729	119	358551	44.790	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	201826	43.742	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	200569	42.412	ug/l	99
89) n-Butylbenzene	14.053	91	279807	44.671	ug/l	99
90) Hexachloroethane	14.329	117	70023	41.909	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	195290	44.015	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24787	43.033	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	94648	44.768	ug/l	97
94) Hexachlorobutadiene	15.500	225	50783	39.523	ug/l	99
95) Naphthalene	15.635	128	272761	46.992	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	93144	43.884	ug/l	98

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

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