

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085802.D
 Acq On : 21 Feb 2025 14:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2025
 Supervised By : Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 02:33:54 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	8.218	168	267971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	427963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	205820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	186705	53.741	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.159	113	159454	56.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.880%			
50) Toluene-d8	10.565	98	597021	58.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 117.200%#			
62) 4-Bromofluorobenzene	12.847	95	203507	60.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 121.240%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	172654	47.368	ug/l	98
3) Chloromethane	2.359	50	165234	45.176	ug/l	98
4) Vinyl Chloride	2.512	62	177799	45.912	ug/l	100
5) Bromomethane	2.954	94	109782	44.335	ug/l	94
6) Chloroethane	3.118	64	115236	44.924	ug/l	95
7) Trichlorofluoromethane	3.501	101	261456	46.631	ug/l	99
8) Diethyl Ether	3.954	74	85588	47.178	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	158697	48.965	ug/l	97
10) Methyl Iodide	4.589	142	190034	47.567	ug/l	97
11) Tert butyl alcohol	5.512	59	107978	252.701	ug/l	99
12) 1,1-Dichloroethene	4.342	96	138503	47.131	ug/l	97
13) Acrolein	4.171	56	192633	304.004	ug/l	97
14) Allyl chloride	5.024	41	175948	45.603	ug/l	94
15) Acrylonitrile	5.706	53	351259	252.867	ug/l	99
16) Acetone	4.418	43	266548	242.474	ug/l	95
17) Carbon Disulfide	4.712	76	382893	43.963	ug/l	98
18) Methyl Acetate	5.018	43	180680	47.786	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	439914	50.377	ug/l	100
20) Methylene Chloride	5.271	84	167319	47.330	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	149487	47.242	ug/l	97
22) Diisopropyl ether	6.665	45	454174	52.095	ug/l	97
23) Vinyl Acetate	6.600	43	1489624	249.547	ug/l	99
24) 1,1-Dichloroethane	6.565	63	285492	48.172	ug/l	98
25) 2-Butanone	7.477	43	408748	252.743	ug/l	98
26) 2,2-Dichloropropane	7.483	77	234255	44.451	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	178832	48.742	ug/l	99
28) Bromochloromethane	7.806	49	137276	56.357	ug/l	98
29) Tetrahydrofuran	7.830	42	282844	270.837	ug/l	98
30) Chloroform	7.965	83	303747	49.044	ug/l	98
31) Cyclohexane	8.253	56	213240	42.973	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	265052	48.115	ug/l	98
36) 1,1-Dichloropropene	8.365	75	205343	51.811	ug/l	100
37) Ethyl Acetate	7.553	43	168771	51.745	ug/l	99
38) Carbon Tetrachloride	8.359	117	236139	50.144	ug/l	99
39) Methylcyclohexane	9.600	83	192160	49.353	ug/l	96
40) Benzene	8.600	78	652933	51.401	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	93474	53.611	ug/l	97
42) 1,2-Dichloroethane	8.665	62	213112	51.506	ug/l	100
43) Isopropyl Acetate	8.683	43	274170	47.875	ug/l	97
44) Trichloroethene	9.347	130	150036	48.106	ug/l	99
45) 1,2-Dichloropropane	9.618	63	160531	52.355	ug/l	99
46) Dibromomethane	9.706	93	112878	52.191	ug/l	99
47) Bromodichloromethane	9.883	83	236831	51.183	ug/l	98
48) Methyl methacrylate	9.677	41	129683	53.539	ug/l	97
49) 1,4-Dioxane	9.688	88	54107	1174.663	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	891792	283.595	ug/l	99
52) Toluene	10.624	92	410222	55.092	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	223961	52.343	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	247088	52.663	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	156900	52.997	ug/l	98
56) Ethyl methacrylate	10.871	69	215183	50.491	ug/l	99
57) 1,3-Dichloropropane	11.159	76	264256	53.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	535674	301.782	ug/l	99
59) 2-Hexanone	11.188	43	635767	293.887	ug/l	100
60) Dibromochloromethane	11.353	129	187317	54.336	ug/l	99
61) 1,2-Dibromoethane	11.465	107	149395	53.408	ug/l	99
64) Tetrachloroethene	11.100	164	146393	47.696	ug/l	98
65) Chlorobenzene	11.888	112	432697	47.674	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	161700	49.567	ug/l	99
67) Ethyl Benzene	11.959	91	745749	52.454	ug/l	99
68) m/p-Xylenes	12.065	106	597619	110.662	ug/l	99
69) o-Xylene	12.394	106	273073	53.212	ug/l	98
70) Styrene	12.406	104	487215	50.919	ug/l	100
71) Bromoform	12.576	173	125316	51.697	ug/l #	98
73) Isopropylbenzene	12.694	105	687117	48.729	ug/l	100
74) N-amyl acetate	12.488	43	238852	48.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	218392	45.009	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	197089m	43.108	ug/l	
77) Bromobenzene	12.976	156	181128	47.546	ug/l	99
78) n-propylbenzene	13.029	91	839429	51.982	ug/l	100
79) 2-Chlorotoluene	13.123	91	516214	47.844	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	605400	52.706	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	73439m	46.868	ug/l	
82) 4-Chlorotoluene	13.218	91	534375	49.959	ug/l	99
83) tert-Butylbenzene	13.435	119	484979	50.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	622967	54.819	ug/l	100
85) sec-Butylbenzene	13.612	105	690644	50.607	ug/l	99
86) p-Isopropyltoluene	13.723	119	582438	46.852	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	339898	47.622	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	332737	45.485	ug/l	100
89) n-Butylbenzene	14.053	91	474150	48.935	ug/l	97
90) Hexachloroethane	14.329	117	115608	44.730	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	332338	48.422	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37518	42.108	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	150178	45.920	ug/l	99
94) Hexachlorobutadiene	15.494	225	79544	40.020	ug/l	99
95) Naphthalene	15.635	128	419261	46.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	144709	44.074	ug/l	98

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

