

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
 Data File : VN085774.D
 Acq On : 18 Feb 2025 11:56
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/19/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 03:57:11 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	322637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	539156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	467828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	220205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	77482	18.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.040%#		
35) Dibromofluoromethane	8.159	113	64728	18.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.700%#		
50) Toluene-d8	10.559	98	236331	18.412	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.820%#		
62) 4-Bromofluorobenzene	12.841	95	80509	19.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	67659	15.417	ug/l	97
3) Chloromethane	2.359	50	67570	15.344	ug/l	96
4) Vinyl Chloride	2.512	62	73110	15.680	ug/l	100
5) Bromomethane	2.954	94	49494	16.601	ug/l	99
6) Chloroethane	3.118	64	48468	15.694	ug/l	97
7) Trichlorofluoromethane	3.501	101	109303	16.191	ug/l	97
8) Diethyl Ether	3.959	74	36092	16.524	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	64788	16.603	ug/l	98
10) Methyl Iodide	4.589	142	78793	16.381	ug/l	99
11) Tert butyl alcohol	5.512	59	41287	80.252	ug/l	99
12) 1,1-Dichloroethene	4.342	96	59222	16.738	ug/l	98
13) Acrolein	4.177	56	77673	101.810	ug/l	97
14) Allyl chloride	5.018	41	74310	15.997	ug/l	99
15) Acrylonitrile	5.712	53	134784	80.589	ug/l	99
16) Acetone	4.424	43	104501	78.956	ug/l	100
17) Carbon Disulfide	4.706	76	163310	15.574	ug/l	100
18) Methyl Acetate	5.024	43	67868	14.908	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	177976	16.928	ug/l	97
20) Methylene Chloride	5.271	84	68329	16.053	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	62161	16.316	ug/l	96
22) Diisopropyl ether	6.665	45	181542	17.295	ug/l	97
23) Vinyl Acetate	6.595	43	600860	83.603	ug/l	99
24) 1,1-Dichloroethane	6.559	63	115596	16.200	ug/l	97
25) 2-Butanone	7.477	43	158999	81.657	ug/l	97
26) 2,2-Dichloropropane	7.483	77	104686	16.499	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	73502	16.639	ug/l	99
28) Bromochloromethane	7.812	49	60909	20.768	ug/l	99
29) Tetrahydrofuran	7.836	42	105537	83.934	ug/l	98
30) Chloroform	7.959	83	122487	16.426	ug/l	100
31) Cyclohexane	8.253	56	95248	15.943	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	110643	16.682	ug/l	95
36) 1,1-Dichloropropene	8.371	75	82766	16.576	ug/l	99
37) Ethyl Acetate	7.553	43	70925	17.261	ug/l	98
38) Carbon Tetrachloride	8.359	117	97884	16.499	ug/l	96
39) Methylcyclohexane	9.594	83	83041	16.929	ug/l	97
40) Benzene	8.600	78	265630	16.599	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	37582	17.109	ug/l	99
42) 1,2-Dichloroethane	8.665	62	86193	16.535	ug/l	98
43) Isopropyl Acetate	8.683	43	122426	16.612	ug/l	96
44) Trichloroethene	9.347	130	63351	16.123	ug/l	99
45) 1,2-Dichloropropane	9.618	63	61520	15.926	ug/l	99
46) Dibromomethane	9.706	93	45036	16.529	ug/l	99
47) Bromodichloromethane	9.883	83	93185	15.985	ug/l	94
48) Methyl methacrylate	9.677	41	50408	16.519	ug/l	98
49) 1,4-Dioxane	9.694	88	19190	330.694	ug/l	99
51) 4-Methyl-2-Pentanone	10.435	43	336185	84.861	ug/l	99
52) Toluene	10.624	92	160684	17.129	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	90408	16.772	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	100220	16.955	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	60151	16.127	ug/l	94
56) Ethyl methacrylate	10.871	69	79645	16.395	ug/l	98
57) 1,3-Dichloropropane	11.159	76	102165	16.409	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.153	63	242456	133.698	ug/l	98
59) 2-Hexanone	11.188	43	235193	86.298	ug/l	99
60) Dibromochloromethane	11.353	129	74180	17.080	ug/l	98
61) 1,2-Dibromoethane	11.465	107	60298	17.111	ug/l	98
64) Tetrachloroethene	11.100	164	61272	16.906	ug/l	93
65) Chlorobenzene	11.888	112	175987	16.421	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	62381	16.194	ug/l	97
67) Ethyl Benzene	11.959	91	282760	16.843	ug/l	99
68) m/p-Xylenes	12.065	106	227511	35.677	ug/l	98
69) o-Xylene	12.394	106	105043	17.335	ug/l	100
70) Styrene	12.406	104	175057	16.953	ug/l	99
71) Bromoform	12.576	173	47915	16.740	ug/l #	99
73) Isopropylbenzene	12.688	105	261285	17.320	ug/l	99
74) N-amyl acetate	12.488	43	91076	17.120	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.929	83	81388	15.678	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	74515m	15.234	ug/l	
77) Bromobenzene	12.976	156	68497	16.806	ug/l	98
78) n-propylbenzene	13.029	91	307304	17.787	ug/l	100
79) 2-Chlorotoluene	13.118	91	197060	17.071	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	225224	18.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	26896	16.043	ug/l	96
82) 4-Chlorotoluene	13.218	91	200026	17.479	ug/l	99
83) tert-Butylbenzene	13.435	119	185442	17.945	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	225419	18.540	ug/l	99
85) sec-Butylbenzene	13.612	105	261971	17.942	ug/l	100
86) p-Isopropyltoluene	13.723	119	215295	17.383	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	128565	16.836	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	129289	16.519	ug/l	98
89) n-Butylbenzene	14.053	91	176946	17.069	ug/l	98
90) Hexachloroethane	14.329	117	44440	16.071	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	123193	16.777	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	14521	15.233	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	60060	17.165	ug/l	99
94) Hexachlorobutadiene	15.494	225	33258	15.640	ug/l	99
95) Naphthalene	15.635	128	162751	16.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	58944	16.780	ug/l	99

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

