

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119527	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118220	51.000	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.000%
35) Dibromofluoromethane	8.165	113	95864	53.613	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.220%
50) Toluene-d8	10.565	98	345955	53.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.847	95	134293	56.039	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81627	44.359	ug/l	98
3) Chloromethane	2.359	50	90903	42.592	ug/l	94
4) Vinyl Chloride	2.512	62	93966	48.992	ug/l	95
5) Bromomethane	2.942	94	62292	57.945	ug/l	99
6) Chloroethane	3.106	64	62173	48.092	ug/l	99
7) Trichlorofluoromethane	3.489	101	174174	53.383	ug/l	98
8) Diethyl Ether	3.953	74	62482	56.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	101733	54.976	ug/l	98
10) Methyl Iodide	4.583	142	117965	48.159	ug/l	99
11) Tert butyl alcohol	5.524	59	101635	328.103	ug/l	97
12) 1,1-Dichloroethene	4.336	96	92960	53.819	ug/l	96
13) Acrolein	4.177	56	69168	334.634	ug/l	100
14) Allyl chloride	5.018	41	142160	48.822	ug/l	93
15) Acrylonitrile	5.718	53	263867	300.877	ug/l	99
16) Acetone	4.424	43	250348	370.827	ug/l	98
17) Carbon Disulfide	4.706	76	249632	48.964	ug/l	96
18) Methyl Acetate	5.018	43	129127	60.073	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	330945	58.641	ug/l	96
20) Methylene Chloride	5.271	84	109418	53.113	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	98207	54.029	ug/l	95
22) Diisopropyl ether	6.671	45	327105	55.815	ug/l	98
23) Vinyl Acetate	6.600	43	1235181	305.508	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192887	54.999	ug/l	99
25) 2-Butanone	7.483	43	356129	322.655	ug/l	98
26) 2,2-Dichloropropane	7.494	77	179376	54.775	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	123370	56.300	ug/l	99
28) Bromochloromethane	7.812	49	57402	43.360	ug/l	93
29) Tetrahydrofuran	7.841	42	223283	325.304	ug/l	100
30) Chloroform	7.965	83	206502	55.353	ug/l	98
31) Cyclohexane	8.253	56	155530	50.369	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	186189	55.230	ug/l	98
36) 1,1-Dichloropropene	8.371	75	139304	57.518	ug/l	99
37) Ethyl Acetate	7.559	43	138225	62.778	ug/l	99
38) Carbon Tetrachloride	8.359	117	166889	59.696	ug/l	99
39) Methylcyclohexane	9.600	83	153471	60.980	ug/l	97
40) Benzene	8.606	78	426932	55.734	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	74288	60.938	ug/l	97
42) 1,2-Dichloroethane	8.671	62	156285	59.637	ug/l	100
43) Isopropyl Acetate	8.688	43	273688	59.842	ug/l	96
44) Trichloroethene	9.353	130	103598	58.195	ug/l	93
45) 1,2-Dichloropropane	9.618	63	108197	57.347	ug/l	94
46) Dibromomethane	9.706	93	78342	59.757	ug/l	99
47) Bromodichloromethane	9.882	83	167432	60.258	ug/l	99
48) Methyl methacrylate	9.677	41	115253	67.720	ug/l	97
49) 1,4-Dioxane	9.694	88	43006	1457.126	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	725499	347.299	ug/l	99
52) Toluene	10.629	92	277164	61.119	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	170255	61.118	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	180164	60.963	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	103873	61.496	ug/l	98
56) Ethyl methacrylate	10.871	69	174001	70.497	ug/l	98
57) 1,3-Dichloropropane	11.159	76	177618	59.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340202	280.990	ug/l	98
59) 2-Hexanone	11.194	43	549363	351.625	ug/l	100
60) Dibromochloromethane	11.359	129	128913	62.448	ug/l	100
61) 1,2-Dibromoethane	11.471	107	108774	62.224	ug/l	99
64) Tetrachloroethene	11.100	164	90824	58.408	ug/l	98
65) Chlorobenzene	11.888	112	304940	58.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114186	61.967	ug/l	98
67) Ethyl Benzene	11.965	91	537789	63.337	ug/l	98
68) m/p-Xylenes	12.070	106	413021	127.766	ug/l	100
69) o-Xylene	12.400	106	198117	64.428	ug/l	99
70) Styrene	12.412	104	347132	67.883	ug/l	99
71) Bromoform	12.576	173	92080	67.320	ug/l #	99
73) Isopropylbenzene	12.694	105	512549	60.785	ug/l	99
74) N-amyl acetate	12.494	43	219231	63.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152365	52.916	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	108217m	49.775	ug/l	
77) Bromobenzene	12.982	156	126211	55.620	ug/l	100
78) n-propylbenzene	13.035	91	610311	62.752	ug/l	100
79) 2-Chlorotoluene	13.123	91	371546	57.227	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	444282	62.790	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	59423	60.338	ug/l	95
82) 4-Chlorotoluene	13.217	91	380936	56.362	ug/l	100
83) tert-Butylbenzene	13.435	119	360851	59.272	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	446674	61.328	ug/l	99
85) sec-Butylbenzene	13.617	105	515573	62.691	ug/l	100
86) p-Isopropyltoluene	13.729	119	441406	65.018	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232182	51.875	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	232095	50.815	ug/l	98
89) n-Butylbenzene	14.053	91	375765	59.518	ug/l	99
90) Hexachloroethane	14.329	117	85765	57.956	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	216336	50.441	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31099	55.854	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	112793	48.409	ug/l	98
94) Hexachlorobutadiene	15.500	225	54475	50.659	ug/l	98
95) Naphthalene	15.641	128	357684	53.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111098	49.972	ug/l	98

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

