

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084229.D
 Acq On : 30 Sep 2024 20:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2024
 Supervised By : Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 07:16:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	172305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127943	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120810	47.289	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.580%
35) Dibromofluoromethane	8.171	113	91037	46.354	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.700%
50) Toluene-d8	10.565	98	349596	48.383	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.847	95	127959	48.610	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.220%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	95754	46.982	ug/l	92
3) Chloromethane	2.359	50	108104	46.453	ug/l	99
4) Vinyl Chloride	2.512	62	105780	46.926	ug/l	97
5) Bromomethane	2.947	94	64445	43.343	ug/l	97
6) Chloroethane	3.112	64	67113	41.572	ug/l	98
7) Trichlorofluoromethane	3.495	101	165985	47.287	ug/l	98
8) Diethyl Ether	3.965	74	60747	46.661	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	93121	46.299	ug/l	98
10) Methyl Iodide	4.583	142	121241	46.808	ug/l	97
11) Tert butyl alcohol	5.518	59	92725	220.116	ug/l	100
12) 1,1-Dichloroethene	4.342	96	93044	47.960	ug/l	97
13) Acrolein	4.183	56	114633	237.037	ug/l	97
14) Allyl chloride	5.024	41	152584	45.287	ug/l	99
15) Acrylonitrile	5.718	53	254496	239.235	ug/l	99
16) Acetone	4.430	43	219284	199.810	ug/l	99
17) Carbon Disulfide	4.712	76	267114	43.488	ug/l	97
18) Methyl Acetate	5.024	43	119555	49.981	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	316544	48.342	ug/l	100
20) Methylene Chloride	5.277	84	105492	47.287	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	98395	48.410	ug/l	93
22) Diisopropyl ether	6.671	45	339685	48.741	ug/l	97
23) Vinyl Acetate	6.600	43	1272161	246.111	ug/l	100
24) 1,1-Dichloroethane	6.571	63	189258	48.561	ug/l	100
25) 2-Butanone	7.482	43	345312	231.014	ug/l	95
26) 2,2-Dichloropropane	7.488	77	153573	43.703	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	116094	47.268	ug/l	99
28) Bromochloromethane	7.806	49	80368	46.217	ug/l	100
29) Tetrahydrofuran	7.835	42	226115	245.126	ug/l	99
30) Chloroform	7.965	83	192596	47.574	ug/l	99
31) Cyclohexane	8.259	56	168808	44.610	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	175537	48.279	ug/l	99
36) 1,1-Dichloropropene	8.371	75	139536	48.913	ug/l	99
37) Ethyl Acetate	7.559	43	142257	48.607	ug/l	99
38) Carbon Tetrachloride	8.359	117	150960	48.241	ug/l	96
39) Methylcyclohexane	9.600	83	156605	49.324	ug/l	98
40) Benzene	8.606	78	424656	47.778	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	80062	50.390	ug/l	98
42) 1,2-Dichloroethane	8.671	62	145498	48.287	ug/l	99
43) Isopropyl Acetate	8.688	43	239361	41.755	ug/l	100
44) Trichloroethene	9.353	130	103141	49.685	ug/l	97
45) 1,2-Dichloropropane	9.618	63	104679	49.786	ug/l	100
46) Dibromomethane	9.706	93	70294	49.541	ug/l	97
47) Bromodichloromethane	9.888	83	153873	48.812	ug/l #	99
48) Methyl methacrylate	9.682	41	113830	49.883	ug/l	99
49) 1,4-Dioxane	9.694	88	39498	940.188	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	712677	255.801	ug/l	99
52) Toluene	10.629	92	267474	49.349	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	157247	48.935	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	168627	48.787	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	94923	48.853	ug/l	98
56) Ethyl methacrylate	10.871	69	163523	51.146	ug/l	99
57) 1,3-Dichloropropane	11.159	76	170081	48.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	366443	247.073	ug/l	100
59) 2-Hexanone	11.194	43	518819	249.152	ug/l	99
60) Dibromochloromethane	11.359	129	114404	49.833	ug/l	98
61) 1,2-Dibromoethane	11.470	107	97725	48.403	ug/l	99
64) Tetrachloroethene	11.100	164	86149	47.135	ug/l	97
65) Chlorobenzene	11.888	112	278686	47.899	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	97219	48.512	ug/l	99
67) Ethyl Benzene	11.965	91	502462	48.833	ug/l	97
68) m/p-Xylenes	12.070	106	384388	100.993	ug/l	99
69) o-Xylene	12.394	106	183036	50.829	ug/l	98
70) Styrene	12.412	104	315973	51.804	ug/l	99
71) Bromoform	12.576	173	74710	50.637	ug/l #	98
73) Isopropylbenzene	12.694	105	474033	48.553	ug/l	100
74) N-ethyl acetate	12.494	43	212853	48.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	137414	46.808	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	133904m	51.265	ug/l	
77) Bromobenzene	12.982	156	109792	46.621	ug/l	99
78) n-propylbenzene	13.035	91	565683	50.008	ug/l	100
79) 2-Chlorotoluene	13.123	91	344054	47.666	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	404131	50.745	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	50348	46.213	ug/l	99
82) 4-Chlorotoluene	13.217	91	350772	48.275	ug/l	99
83) tert-Butylbenzene	13.435	119	343976	48.595	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	402313	50.146	ug/l	100
85) sec-Butylbenzene	13.611	105	469008	49.654	ug/l	99
86) p-Isopropyltoluene	13.729	119	399116	51.099	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	208454	47.183	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	204163	45.761	ug/l	99
89) n-Butylbenzene	14.053	91	341283	48.187	ug/l	100
90) Hexachloroethane	14.329	117	74109	46.744	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	198642	45.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28495	47.036	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	100056	46.892	ug/l	100
94) Hexachlorobutadiene	15.500	225	43797	41.159	ug/l	97
95) Naphthalene	15.641	128	320551	45.315	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	97480	45.639	ug/l	97

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

