

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083819.D
 Acq On : 12 Sep 2024 08:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/13/2024
 Supervised By :Mahesh Dadoda 09/13/2024

Quant Time: Sep 12 16:44:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	171176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133023	51.537	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.080%			
35) Dibromofluoromethane	8.159	113	95406	50.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.565	98	346909	53.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.600%			
62) 4-Bromofluorobenzene	12.847	95	134454	50.071	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	96224	48.404	ug/l	99
3) Chloromethane	2.359	50	98935	48.687	ug/l	99
4) Vinyl Chloride	2.512	62	101035	46.368	ug/l	99
5) Bromomethane	2.901	94	56066	44.814	ug/l	95
6) Chloroethane	3.077	64	66299	43.376	ug/l	97
7) Trichlorofluoromethane	3.471	101	172652	46.679	ug/l	94
8) Diethyl Ether	3.959	74	60271	48.612	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	93874	47.884	ug/l	99
10) Methyl Iodide	4.577	142	119872	48.077	ug/l	95
11) Tert butyl alcohol	5.536	59	85236	246.609	ug/l	100
12) 1,1-Dichloroethene	4.330	96	87672	47.353	ug/l	94
13) Acrolein	4.177	56	74922	219.697	ug/l	98
14) Allyl chloride	5.012	41	157788	47.829	ug/l	96
15) Acrylonitrile	5.718	53	231949	246.767	ug/l	100
16) Acetone	4.430	43	259596	250.891	ug/l	96
17) Carbon Disulfide	4.700	76	224351	43.319	ug/l	98
18) Methyl Acetate	5.018	43	114040	53.010	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	326298	48.703	ug/l	99
20) Methylene Chloride	5.265	84	99776	47.123	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	88854	44.781	ug/l	89
22) Diisopropyl ether	6.671	45	332738	48.996	ug/l	97
23) Vinyl Acetate	6.600	43	1268837	255.131	ug/l	99
24) 1,1-Dichloroethane	6.559	63	184442	47.141	ug/l	99
25) 2-Butanone	7.483	43	329895	242.580	ug/l	98
26) 2,2-Dichloropropane	7.489	77	174505	48.431	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	110541	46.931	ug/l	96
28) Bromochloromethane	7.812	49	82199	49.889	ug/l	98
29) Tetrahydrofuran	7.841	42	199053	247.540	ug/l	99
30) Chloroform	7.965	83	195675	47.108	ug/l	99
31) Cyclohexane	8.253	56	157623	42.254	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	180272	47.200	ug/l	99
36) 1,1-Dichloropropene	8.365	75	133635	47.159	ug/l	100
37) Ethyl Acetate	7.559	43	131380	51.078	ug/l	97
38) Carbon Tetrachloride	8.359	117	154471	48.050	ug/l	98
39) Methylcyclohexane	9.600	83	150370	46.620	ug/l	98
40) Benzene	8.600	78	409557	48.019	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76568	50.330	ug/l	99
42) 1,2-Dichloroethane	8.665	62	155907	48.919	ug/l	99
43) Isopropyl Acetate	8.688	43	248472	53.307	ug/l	100
44) Trichloroethene	9.353	130	92241	46.702	ug/l	96
45) 1,2-Dichloropropane	9.618	63	99408	48.223	ug/l	97
46) Dibromomethane	9.706	93	71173	49.292	ug/l	97
47) Bromodichloromethane	9.888	83	154255	49.363	ug/l	99
48) Methyl methacrylate	9.683	41	112844	51.028	ug/l	97
49) 1,4-Dioxane	9.694	88	35022	962.695	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	660580	260.350	ug/l	97
52) Toluene	10.630	92	255807	49.033	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	158919	50.173	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	167982	50.488	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	93221	47.863	ug/l	99
56) Ethyl methacrylate	10.877	69	160080	53.421	ug/l	99
57) 1,3-Dichloropropane	11.159	76	165048	49.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	341531	316.312	ug/l	98
59) 2-Hexanone	11.194	43	498429	265.562	ug/l	97
60) Dibromochloromethane	11.359	129	109719	50.337	ug/l	99
61) 1,2-Dibromoethane	11.471	107	95529	49.180	ug/l	98
64) Tetrachloroethene	11.106	164	76750	45.190	ug/l	95
65) Chlorobenzene	11.888	112	267217	47.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	95516	48.541	ug/l	100
67) Ethyl Benzene	11.965	91	488383	48.435	ug/l	99
68) m/p-Xylenes	12.071	106	364372	97.334	ug/l	98
69) o-Xylene	12.394	106	179341	49.487	ug/l	99
70) Styrene	12.406	104	299036	50.279	ug/l	99
71) Bromoform	12.576	173	68706	51.815	ug/l #	98
73) Isopropylbenzene	12.694	105	464887	49.282	ug/l	100
74) N-amyl acetate	12.494	43	212297	52.748	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	133880	48.304	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	114988m	46.738	ug/l	
77) Bromobenzene	12.976	156	105301	46.374	ug/l	98
78) n-propylbenzene	13.035	91	533500	48.608	ug/l	100
79) 2-Chlorotoluene	13.123	91	334022	47.719	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	390772	49.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49414	52.603	ug/l	98
82) 4-Chlorotoluene	13.218	91	334981	47.689	ug/l	100
83) tert-Butylbenzene	13.435	119	339247	48.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	393109	49.207	ug/l	100
85) sec-Butylbenzene	13.618	105	455470	49.358	ug/l	100
86) p-Isopropyltoluene	13.729	119	385905	49.887	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	196635	45.886	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	194876	44.911	ug/l	99
89) n-Butylbenzene	14.053	91	330460	47.581	ug/l	99
90) Hexachloroethane	14.335	117	72717	46.764	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	195067	47.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28629	51.816	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	100652	45.352	ug/l	99
94) Hexachlorobutadiene	15.500	225	43195	45.830	ug/l	97
95) Naphthalene	15.635	128	337627	50.004	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	99138	46.741	ug/l	100

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

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