

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082178.D
 Acq On : 17 May 2024 14:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2024
 Supervised By : Mahesh Dadoda 05/20/2024

Quant Time: May 17 23:09:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	198814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156235	49.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.540%		
35) Dibromofluoromethane	8.165	113	107816	52.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.920%		
50) Toluene-d8	10.571	98	415916	52.780	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.560%		
62) 4-Bromofluorobenzene	12.847	95	149371	53.107	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	106.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	136303	47.552	ug/l	98
3) Chloromethane	2.359	50	147532	45.416	ug/l	100
4) Vinyl Chloride	2.518	62	141904	46.466	ug/l	100
5) Bromomethane	2.953	94	71817	40.913	ug/l	97
6) Chloroethane	3.124	64	93649	46.963	ug/l	98
7) Trichlorofluoromethane	3.500	101	195933	48.995	ug/l	97
8) Diethyl Ether	3.959	74	69535	48.809	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.371	101	109641	46.934	ug/l	99
10) Methyl Iodide	4.589	142	103353	44.009	ug/l	95
11) Tert butyl alcohol	5.512	59	107912	214.140	ug/l	99
12) 1,1-Dichloroethene	4.342	96	104000	47.898	ug/l #	75
13) Acrolein	4.177	56	72898	195.211	ug/l	99
14) Allyl chloride	5.024	41	213723	45.975	ug/l #	90
15) Acrylonitrile	5.718	53	309837	237.401	ug/l	99
16) Acetone	4.424	43	275584	213.995	ug/l	90
17) Carbon Disulfide	4.712	76	315725	45.021	ug/l	100
18) Methyl Acetate	5.024	43	147446	45.974	ug/l #	85
19) Methyl tert-butyl Ether	5.794	73	390298	49.178	ug/l	93
20) Methylene Chloride	5.277	84	124517	47.923	ug/l #	73
21) trans-1,2-Dichloroethene	5.789	96	112137	47.392	ug/l #	79
22) Diisopropyl ether	6.671	45	479662	49.413	ug/l #	93
23) Vinyl Acetate	6.600	43	1899279	248.162	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	242341	48.436	ug/l	96
25) 2-Butanone	7.483	43	446295	228.574	ug/l #	83
26) 2,2-Dichloropropane	7.488	77	199729	47.659	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	137875	49.374	ug/l	81
28) Bromochloromethane	7.812	49	112759	51.947	ug/l #	72
29) Tetrahydrofuran	7.835	42	297522	237.329	ug/l #	82
30) Chloroform	7.965	83	235156	49.217	ug/l	99
31) Cyclohexane	8.259	56	219841	43.845	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	209791	49.493	ug/l #	93
36) 1,1-Dichloropropene	8.371	75	169705	49.229	ug/l	97
37) Ethyl Acetate	7.559	43	191275	49.581	ug/l #	93
38) Carbon Tetrachloride	8.359	117	179781	51.447	ug/l	98
39) Methylcyclohexane	9.600	83	193217	51.134	ug/l #	86
40) Benzene	8.606	78	520252	50.610	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	111709	49.236	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	196658	49.742	ug/l	95
43) Isopropyl Acetate	8.688	43	345776	50.583	ug/l #	89
44) Trichloroethene	9.353	130	115175	49.324	ug/l	94
45) 1,2-Dichloropropane	9.624	63	134665	50.773	ug/l	99
46) Dibromomethane	9.712	93	85851	49.303	ug/l	97
47) Bromodichloromethane	9.888	83	188625	51.312	ug/l	99
48) Methyl methacrylate	9.682	41	160121	49.158	ug/l #	82
49) 1,4-Dioxane	9.694	88	43007	942.234	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	978919	252.044	ug/l	89
52) Toluene	10.629	92	320085	51.887	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	199953	52.593	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	209465	52.050	ug/l #	79
55) 1,1,2-Trichloroethane	11.018	97	113441	50.603	ug/l	99
56) Ethyl methacrylate	10.876	69	200553	52.692	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	212338	50.658	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	529139	269.528	ug/l	90
59) 2-Hexanone	11.194	43	719703	253.075	ug/l	88
60) Dibromochloromethane	11.359	129	135612	54.815	ug/l	99
61) 1,2-Dibromoethane	11.471	107	115485	50.153	ug/l	100
64) Tetrachloroethene	11.106	164	111794	49.256	ug/l	96
65) Chlorobenzene	11.894	112	335975	49.666	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	116824	52.429	ug/l	99
67) Ethyl Benzene	11.965	91	632512	52.269	ug/l	97
68) m/p-Xylenes	12.071	106	469238	105.801	ug/l	94
69) o-Xylene	12.400	106	222630	51.821	ug/l	89
70) Styrene	12.412	104	387310	54.276	ug/l	96
71) Bromoform	12.582	173	86011	48.553	ug/l #	99
73) Isopropylbenzene	12.694	105	586813	50.045	ug/l	98
74) N-amyl acetate	12.494	43	303864	47.112	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	157824	46.692	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	148968m	47.953	ug/l	
77) Bromobenzene	12.982	156	134159	48.010	ug/l	88
78) n-propylbenzene	13.035	91	713384	51.378	ug/l	96
79) 2-Chlorotoluene	13.123	91	426849	48.956	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	484471	51.097	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	68939	51.905	ug/l #	79
82) 4-Chlorotoluene	13.223	91	426953	50.083	ug/l	94
83) tert-Butylbenzene	13.441	119	417914	50.383	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	494813	51.011	ug/l	96
85) sec-Butylbenzene	13.617	105	587588	51.107	ug/l	98
86) p-Isopropyltoluene	13.729	119	488344	52.264	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	252102	49.797	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	251205	48.617	ug/l	98
89) n-Butylbenzene	14.059	91	439930	52.383	ug/l	98
90) Hexachloroethane	14.335	117	89606	51.760	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	237911	49.647	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	33233	47.854	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	137265	51.101	ug/l	99
94) Hexachlorobutadiene	15.506	225	54996	46.660	ug/l	97
95) Naphthalene	15.641	128	429956	51.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	134514	50.023	ug/l	97

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

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