

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080630.D
 Acq On : 02 Jan 2024 17:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/03/2024
 Supervised By : Mahesh Dadoda 01/04/2024

Quant Time: Jan 03 01:48:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	393420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	632180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	275260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	231044	45.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.560%		
35) Dibromofluoromethane	8.165	113	193132	47.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.480%		
50) Toluene-d8	10.571	98	766090	53.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.320%		
62) 4-Bromofluorobenzene	12.847	95	281301	58.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	207546	47.490	ug/l	98
3) Chloromethane	2.365	50	276925	57.102	ug/l	100
4) Vinyl Chloride	2.518	62	250006	51.406	ug/l	96
5) Bromomethane	2.959	94	104617	56.608	ug/l	96
6) Chloroethane	3.124	64	157451	51.856	ug/l	99
7) Trichlorofluoromethane	3.500	101	317698	45.750	ug/l	100
8) Diethyl Ether	3.959	74	117446	49.249	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	167262	44.124	ug/l	95
10) Methyl Iodide	4.589	142	130075	49.666	ug/l	97
11) Tert butyl alcohol	5.512	59	124078	182.758	ug/l	99
12) 1,1-Dichloroethene	4.342	96	168816	46.429	ug/l	89
13) Acrolein	4.177	56	151916	197.907	ug/l	96
14) Allyl chloride	5.024	41	230480	41.753	ug/l	96
15) Acrylonitrile	5.712	53	415538	214.597	ug/l	98
16) Acetone	4.418	43	249440	181.834	ug/l	98
17) Carbon Disulfide	4.712	76	405875	41.510	ug/l	98
18) Methyl Acetate	5.024	43	327526	43.065	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	629454	48.085	ug/l	97
20) Methylene Chloride	5.277	84	203276	46.441	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	189763	43.194	ug/l #	83
22) Diisopropyl ether	6.671	45	572015	46.653	ug/l	92
23) Vinyl Acetate	6.600	43	1425526	209.623	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	357781	43.535	ug/l	98
25) 2-Butanone	7.477	43	460994	179.799	ug/l	89
26) 2,2-Dichloropropane	7.488	77	328052	45.857	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	232571	44.508	ug/l	92
28) Bromochloromethane	7.812	49	161763	42.332	ug/l	93
29) Tetrahydrofuran	7.835	42	319791	191.249	ug/l	86
30) Chloroform	7.965	83	388800	47.122	ug/l	91
31) Cyclohexane	8.259	56	268027	39.256	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	341881	45.953	ug/l	99
36) 1,1-Dichloropropene	8.371	75	279008	44.339	ug/l	97
37) Ethyl Acetate	7.559	43	201572	42.453	ug/l	98
38) Carbon Tetrachloride	8.365	117	297054	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	280700	54.387	ug/l	88
40) Benzene	8.606	78	834710	45.523	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	121703	41.564	ug/l	91
42) 1,2-Dichloroethane	8.671	62	288213	49.433	ug/l	100
43) Isopropyl Acetate	8.688	43	352640	45.821	ug/l	98
44) Trichloroethene	9.353	130	217689	46.345	ug/l	98
45) 1,2-Dichloropropane	9.624	63	217039	50.751	ug/l	97
46) Dibromomethane	9.706	93	138053	47.980	ug/l #	87
47) Bromodichloromethane	9.888	83	315698	52.344	ug/l	100
48) Methyl methacrylate	9.682	41	208056	48.689	ug/l	88
49) 1,4-Dioxane	9.694	88	58168	851.648	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1088156	248.595	ug/l	99
52) Toluene	10.629	92	546891	54.661	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	338470	55.666	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	371961	54.659	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	217172	54.722	ug/l	97
56) Ethyl methacrylate	10.876	69	237353	61.057	ug/l #	88
57) 1,3-Dichloropropane	11.165	76	373476	55.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	854310	311.202	ug/l	94
59) 2-Hexanone	11.194	43	811627	246.014	ug/l	99
60) Dibromochloromethane	11.359	129	241266	54.594	ug/l	100
61) 1,2-Dibromoethane	11.471	107	210655	52.644	ug/l	98
64) Tetrachloroethene	11.106	164	186415	47.254	ug/l	96
65) Chlorobenzene	11.894	112	586742	47.774	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	225978	47.833	ug/l	96
67) Ethyl Benzene	11.965	91	1051624	51.217	ug/l	98
68) m/p-Xylenes	12.070	106	780375	102.431	ug/l	95
69) o-Xylene	12.400	106	380807	50.893	ug/l	95
70) Styrene	12.412	104	569207	52.312	ug/l	97
71) Bromoform	12.576	173	153242	45.855	ug/l #	100
73) Isopropylbenzene	12.694	105	970660	51.522	ug/l	99
74) N-amyl acetate	12.494	43	313069	47.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	284114	43.700	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	254999m	43.071	ug/l	
77) Bromobenzene	12.982	156	235053	46.975	ug/l	99
78) n-propylbenzene	13.035	91	1104112	51.248	ug/l	100
79) 2-Chlorotoluene	13.129	91	685455	48.735	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	816530	51.328	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	91930	42.061	ug/l	91
82) 4-Chlorotoluene	13.223	91	701143	48.745	ug/l	97
83) tert-Butylbenzene	13.441	119	677971	50.992	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	825572	51.253	ug/l	100
85) sec-Butylbenzene	13.617	105	902430	51.291	ug/l	99
86) p-Isopropyltoluene	13.729	119	798673	47.802	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	409629	45.424	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	414416	45.716	ug/l	99
89) n-Butylbenzene	14.059	91	693606	52.749	ug/l	99
90) Hexachloroethane	14.335	117	120164	43.752	ug/l	76
91) 1,2-Dichlorobenzene	14.106	146	400529	46.016	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	53809	40.100	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	234565	51.078	ug/l	97
94) Hexachlorobutadiene	15.506	225	111152	46.901	ug/l	98
95) Naphthalene	15.641	128	802887	56.175	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	222759	47.982	ug/l	97

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

