

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076143.D
 Acq On : 06 Jan 2023 19:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 06 22:58:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	331459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	536393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	167199	46.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.740%		
35) Dibromofluoromethane	8.171	113	156557	47.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	10.571	98	569891	45.885	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.853	95	199541	48.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	143997	61.185	ug/l	99
3) Chloromethane	2.377	50	144012	49.210	ug/l	93
4) Vinyl Chloride	2.530	62	174587	50.012	ug/l	98
5) Bromomethane	2.948	94	138922	46.826	ug/l	99
6) Chloroethane	3.124	64	124072	47.995	ug/l	97
7) Trichlorofluoromethane	3.512	101	249588	47.118	ug/l	94
8) Diethyl Ether	3.971	74	87671	45.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	139491	46.117	ug/l	98
10) Methyl Iodide	4.600	142	221612	45.146	ug/l	99
11) Tert butyl alcohol	5.542	59	104010	203.845	ug/l	100
12) 1,1-Dichloroethene	4.353	96	134957	45.940	ug/l	98
13) Acrolein	4.189	56	129220	206.574	ug/l	98
14) Allyl chloride	5.036	41	151987	44.258	ug/l	89
15) Acrylonitrile	5.730	53	314041	225.537	ug/l	99
16) Acetone	4.442	43	235066	189.105	ug/l	98
17) Carbon Disulfide	4.724	76	310995	43.724	ug/l	99
18) Methyl Acetate	5.042	43	171142	46.578	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	471061	48.693	ug/l	97
20) Methylene Chloride	5.289	84	155222	46.637	ug/l	99
21) trans-1,2-Dichloroethene	5.800	96	140880	43.789	ug/l	93
22) Diisopropyl ether	6.683	45	388986	46.628	ug/l	98
23) Vinyl Acetate	6.618	43	1296268	230.856	ug/l	99
24) 1,1-Dichloroethane	6.583	63	250329	44.993	ug/l	99
25) 2-Butanone	7.494	43	382237	219.614	ug/l	98
26) 2,2-Dichloropropane	7.500	77	212756	45.156	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	175718	45.668	ug/l	99
28) Bromochloromethane	7.818	49	94060	38.572	ug/l	99
29) Tetrahydrofuran	7.847	42	253871	232.755	ug/l	99
30) Chloroform	7.977	83	280208	44.732	ug/l	94
31) Cyclohexane	8.265	56	226677	43.892	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	256481	46.183	ug/l	95
36) 1,1-Dichloropropene	8.377	75	203958	46.221	ug/l	99
37) Ethyl Acetate	7.565	43	165027	46.559	ug/l	97
38) Carbon Tetrachloride	8.371	117	232229	47.021	ug/l	98
39) Methylcyclohexane	9.606	83	255852	48.060	ug/l	100
40) Benzene	8.612	78	613684	45.075	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	92923	50.436	ug/l	97
42) 1,2-Dichloroethane	8.677	62	207796	45.909	ug/l	100
43) Isopropyl Acetate	8.694	43	288966	49.422	ug/l	98
44) Trichloroethene	9.353	130	168414	43.909	ug/l	94
45) 1,2-Dichloropropane	9.624	63	148489	44.819	ug/l	100
46) Dibromomethane	9.712	93	111375	45.324	ug/l	99
47) Bromodichloromethane	9.888	83	225330	46.760	ug/l	97
48) Methyl methacrylate	9.682	41	129579	49.206	ug/l	97
49) 1,4-Dioxane	9.700	88	57757	892.139	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	838862	237.239	ug/l	100
52) Toluene	10.635	92	412908	46.567	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	228535	48.448	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	247969	47.878	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	163794	47.063	ug/l	99
56) Ethyl methacrylate	10.877	69	231945	50.174	ug/l	99
57) 1,3-Dichloropropane	11.165	76	262091	45.910	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	332852	226.152	ug/l	99
59) 2-Hexanone	11.200	43	611993	237.331	ug/l	100
60) Dibromochloromethane	11.359	129	182162	47.065	ug/l	99
61) 1,2-Dibromoethane	11.471	107	166869	47.380	ug/l	100
64) Tetrachloroethene	11.106	164	163590	48.674	ug/l	99
65) Chlorobenzene	11.894	112	442310	45.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	169683	46.731	ug/l	99
67) Ethyl Benzene	11.965	91	793971	47.988	ug/l	99
68) m/p-Xylenes	12.076	106	632495	96.585	ug/l	100
69) o-Xylene	12.400	106	316489	48.837	ug/l	100
70) Styrene	12.412	104	517513	50.224	ug/l	100
71) Bromoform	12.582	173	132241	50.050	ug/l #	100
73) Isopropylbenzene	12.694	105	827827	47.554	ug/l	99
74) N-amyl acetate	12.494	43	248745	48.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	232477	43.199	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	203142m	41.834	ug/l	
77) Bromobenzene	12.982	156	197627	44.858	ug/l	97
78) n-propylbenzene	13.035	91	932233	48.553	ug/l	100
79) 2-Chlorotoluene	13.129	91	549446	45.843	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	697235	47.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	75792	56.182	ug/l	95
82) 4-Chlorotoluene	13.129	91	549446	45.843	ug/l	99
83) tert-Butylbenzene	13.441	119	619621	48.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	705000	48.776	ug/l	98
85) sec-Butylbenzene	13.618	105	880300	49.650	ug/l	99
86) p-Isopropyltoluene	13.729	119	752650	51.016	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	371260	45.621	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	363923	43.775	ug/l	100
89) n-Butylbenzene	14.059	91	593504	49.657	ug/l	100
90) Hexachloroethane	14.335	117	128867	48.831	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	363907	45.398	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39982	41.870	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	178259	44.919	ug/l	98
94) Hexachlorobutadiene	15.506	225	93751	43.300	ug/l	99
95) Naphthalene	15.641	128	520876	40.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	172088	46.396	ug/l	100

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

