

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076925.D
 Acq On : 10 Mar 2023 15:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 10 15:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	433047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	699748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	617749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	293709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	295790	45.772	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.540%		
35) Dibromofluoromethane	8.172	113	219387	47.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.080%		
50) Toluene-d8	10.572	98	815890	47.470	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.848	95	313629	49.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	385758	49.456	ug/l	100
3) Chloromethane	2.378	50	185847	44.030	ug/l	98
4) Vinyl Chloride	2.531	62	178518	45.564	ug/l	97
5) Bromomethane	2.954	94	135509	47.021	ug/l	93
6) Chloroethane	3.131	64	107787	43.337	ug/l	98
7) Trichlorofluoromethane	3.507	101	480703	47.285	ug/l	95
8) Diethyl Ether	3.978	74	156069	47.716	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.384	101	242774	46.742	ug/l	97
10) Methyl Iodide	4.601	142	278746	51.276	ug/l #	86
11) Tert butyl alcohol	5.537	59	203276	226.123	ug/l	99
12) 1,1-Dichloroethene	4.360	96	226693	47.359	ug/l	91
13) Acrolein	4.195	56	178190	220.523	ug/l	99
14) Allyl chloride	5.037	41	319296	46.498	ug/l #	89
15) Acrylonitrile	5.731	53	577629	227.357	ug/l	99
16) Acetone	4.437	43	577616	257.946	ug/l	96
17) Carbon Disulfide	4.725	76	618138	46.619	ug/l	99
18) Methyl Acetate	5.037	43	364428	44.127	ug/l	91
19) Methyl tert-butyl Ether	5.807	73	826716	48.572	ug/l	99
20) Methylene Chloride	5.290	84	253070	43.953	ug/l	90
21) trans-1,2-Dichloroethene	5.801	96	239635	47.224	ug/l	88
22) Diisopropyl ether	6.684	45	711557	46.838	ug/l	93
23) Vinyl Acetate	6.613	43	2327638	248.800	ug/l	94
24) 1,1-Dichloroethane	6.584	63	450956	46.471	ug/l	98
25) 2-Butanone	7.489	43	739899	232.321	ug/l	90
26) 2,2-Dichloropropane	7.501	77	414527	48.270	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	275594	47.065	ug/l	90
28) Bromochloromethane	7.819	49	162116	46.183	ug/l	90
29) Tetrahydrofuran	7.842	42	451250	228.593	ug/l	87
30) Chloroform	7.972	83	483509	46.371	ug/l	99
31) Cyclohexane	8.266	56	403859	43.558	ug/l	90
32) 1,1,1-Trichloroethane	8.178	97	462475	47.309	ug/l	98
36) 1,1-Dichloropropene	8.378	75	355563	49.296	ug/l	96
37) Ethyl Acetate	7.566	43	287490	49.842	ug/l	95
38) Carbon Tetrachloride	8.366	117	413400	48.972	ug/l	98
39) Methylcyclohexane	9.607	83	447897	51.156	ug/l #	89
40) Benzene	8.613	78	1008168	47.420	ug/l	99

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41) Methacrylonitrile	7.789	41	168080	48.970	ug/l #	87
42) 1,2-Dichloroethane	8.678	62	388909	46.897	ug/l	93
43) Isopropyl Acetate	8.695	43	494801	48.594	ug/l	93
44) Trichloroethene	9.354	130	263269	47.915	ug/l	99
45) 1,2-Dichloropropane	9.625	63	246834	47.187	ug/l	97
46) Dibromomethane	9.713	93	174614	47.796	ug/l	96
47) Bromodichloromethane	9.889	83	384905	49.663	ug/l	98
48) Methyl methacrylate	9.683	41	240649	48.236	ug/l	86
49) 1,4-Dioxane	9.695	88	91290	966.361	ug/l #	86
51) 4-Methyl-2-Pentanone	10.448	43	1438881	235.239	ug/l	95
52) Toluene	10.636	92	642323	49.089	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	400310	51.808	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	427332	50.360	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	238481	46.843	ug/l	98
56) Ethyl methacrylate	10.877	69	388375	50.295	ug/l #	86
57) 1,3-Dichloropropane	11.166	76	417718	46.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	603797	245.548	ug/l	96
59) 2-Hexanone	11.195	43	1075029	241.044	ug/l	92
60) Dibromochloromethane	11.360	129	278510	49.654	ug/l	98
61) 1,2-Dibromoethane	11.471	107	246880	48.382	ug/l	100
64) Tetrachloroethene	11.107	164	256824	51.368	ug/l	97
65) Chlorobenzene	11.895	112	656402	47.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	260554	48.302	ug/l	96
67) Ethyl Benzene	11.966	91	1273856	50.135	ug/l	96
68) m/p-Xylenes	12.071	106	942618	98.704	ug/l	86
69) o-Xylene	12.401	106	455736	49.155	ug/l	80
70) Styrene	12.413	104	768695	51.321	ug/l #	93
71) Bromoform	12.583	173	197198	50.445	ug/l #	97
73) Isopropylbenzene	12.695	105	1263638	48.283	ug/l	95
74) N-amyl acetate	12.495	43	414212	47.802	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	325396	42.255	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	312646m	43.906	ug/l	
77) Bromobenzene	12.983	156	271511	46.406	ug/l	92
78) n-propylbenzene	13.036	91	1466200	50.309	ug/l	96
79) 2-Chlorotoluene	13.124	91	893638	47.285	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	1105368	49.582	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	126019	57.808	ug/l	95
82) 4-Chlorotoluene	13.224	91	881890	49.383	ug/l	91
83) tert-Butylbenzene	13.442	119	913176	48.215	ug/l	88
84) 1,2,4-Trimethylbenzene	13.483	105	1087805	48.771	ug/l	93
85) sec-Butylbenzene	13.618	105	1308834	50.415	ug/l	97
86) p-Isopropyltoluene	13.730	119	1104834	52.700	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	506247	47.476	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	504453	47.160	ug/l	98
89) n-Butylbenzene	14.060	91	948994	54.246	ug/l	98
90) Hexachloroethane	14.336	117	189445	47.028	ug/l	84
91) 1,2-Dichlorobenzene	14.107	146	504027	47.053	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	76874	45.214	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	305832	51.363	ug/l	98
94) Hexachlorobutadiene	15.501	225	166376	52.445	ug/l	97
95) Naphthalene	15.642	128	903492	50.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	291066	50.340	ug/l	99

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

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