

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076905.D
 Acq On : 09 Mar 2023 16:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 10 03:41:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	465577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	758397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	686100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	316092	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	278469	42.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.320%
35) Dibromofluoromethane	8.172	113	215747	45.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.940%
50) Toluene-d8	10.572	98	835160	45.691	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.848	95	309915	48.930	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.860%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	268194	49.505	ug/l	98
3) Chloromethane	2.378	50	194978	27.364	ug/l	100
4) Vinyl Chloride	2.531	62	186140	28.500	ug/l	97
5) Bromomethane	2.960	94	130860	30.492	ug/l	97
6) Chloroethane	3.131	64	119282	30.857	ug/l	99
7) Trichlorofluoromethane	3.513	101	455347	47.784	ug/l	96
8) Diethyl Ether	3.972	74	172757	47.128	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.390	101	257517	46.218	ug/l	98
10) Methyl Iodide	4.607	142	221570	38.127	ug/l #	92
11) Tert butyl alcohol	5.531	59	192915	199.023	ug/l	98
12) 1,1-Dichloroethene	4.360	96	240262	46.244	ug/l	93
13) Acrolein	4.190	56	251582	200.631	ug/l	98
14) Allyl chloride	5.043	41	388955m	44.841	ug/l	
15) Acrylonitrile	5.731	53	650283	208.605	ug/l	99
16) Acetone	4.443	43	557748	195.749	ug/l	98
17) Carbon Disulfide	4.731	76	630393	44.693	ug/l	99
18) Methyl Acetate	5.043	43	387455	39.684	ug/l #	88
19) Methyl tert-butyl Ether	5.807	73	856857	48.094	ug/l	98
20) Methylene Chloride	5.290	84	274860	41.346	ug/l #	88
21) trans-1,2-Dichloroethene	5.801	96	256068	45.583	ug/l	86
22) Diisopropyl ether	6.684	45	826370	42.345	ug/l	95
23) Vinyl Acetate	6.613	43	3033490m	244.039	ug/l	
24) 1,1-Dichloroethane	6.578	63	495832	44.556	ug/l	98
25) 2-Butanone	7.489	43	821803	197.445	ug/l	89
26) 2,2-Dichloropropane	7.501	77	409467	50.244	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	303797	46.163	ug/l	90
28) Bromochloromethane	7.819	49	194941	41.426	ug/l	84
29) Tetrahydrofuran	7.848	42	523000	194.784	ug/l #	84
30) Chloroform	7.972	83	515115	46.606	ug/l	99
31) Cyclohexane	8.266	56	450156	40.824	ug/l	86
32) 1,1,1-Trichloroethane	8.178	97	468644	48.965	ug/l	98
36) 1,1-Dichloropropene	8.378	75	376449	49.368	ug/l	96
37) Ethyl Acetate	7.566	43	322005	41.140	ug/l	94
38) Carbon Tetrachloride	8.372	117	407523	52.608	ug/l	97
39) Methylcyclohexane	9.607	83	475847	50.628	ug/l #	87
40) Benzene	8.613	78	1114264	47.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	188625	44.131	ug/l #	87
42) 1,2-Dichloroethane	8.678	62	399528	49.376	ug/l	96
43) Isopropyl Acetate	8.695	43	547957	45.731	ug/l #	92
44) Trichloroethene	9.354	130	279867	50.816	ug/l	96
45) 1,2-Dichloropropane	9.625	63	285442	47.553	ug/l	100
46) Dibromomethane	9.713	93	189980	49.831	ug/l	96
47) Bromodichloromethane	9.889	83	412169	52.588	ug/l	98
48) Methyl methacrylate	9.683	41	265619	45.620	ug/l	84
49) 1,4-Dioxane	9.695	88	94324	883.861	ug/l #	83
51) 4-Methyl-2-Pentanone	10.448	43	1681684	222.505	ug/l	94
52) Toluene	10.630	92	718514	51.950	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	416768	54.857	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	465038	53.289	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	270496	49.164	ug/l	97
56) Ethyl methacrylate	10.877	69	430477	52.512	ug/l #	87
57) 1,3-Dichloropropane	11.166	76	472033	49.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	717047	252.448	ug/l	94
59) 2-Hexanone	11.195	43	1218583	222.505	ug/l	92
60) Dibromochloromethane	11.360	129	297982	54.962	ug/l	98
61) 1,2-Dibromoethane	11.472	107	272668	51.562	ug/l	99
64) Tetrachloroethene	11.107	164	260815	51.082	ug/l	97
65) Chlorobenzene	11.895	112	717383	48.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	277269	51.695	ug/l	98
67) Ethyl Benzene	11.966	91	1379741	51.248	ug/l	96
68) m/p-Xylenes	12.071	106	1032907	101.972	ug/l	90
69) o-Xylene	12.401	106	507923	50.920	ug/l	86
70) Styrene	12.413	104	836988	53.519	ug/l #	93
71) Bromoform	12.583	173	205329	56.241	ug/l #	97
73) Isopropylbenzene	12.701	105	1360682	49.384	ug/l	95
74) N-amyl acetate	12.495	43	474131	44.000	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	383547	43.436	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	342653m	42.983	ug/l	
77) Bromobenzene	12.983	156	294636	48.324	ug/l	90
78) n-propylbenzene	13.036	91	1601878	50.982	ug/l	96
79) 2-Chlorotoluene	13.130	91	971911	48.220	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	1181671	51.171	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.736	75	113552	46.978	ug/l	88
82) 4-Chlorotoluene	13.224	91	943969	49.402	ug/l	92
83) tert-Butylbenzene	13.442	119	987678	50.051	ug/l	91
84) 1,2,4-Trimethylbenzene	13.483	105	1157988	50.836	ug/l	95
85) sec-Butylbenzene	13.618	105	1420318	51.552	ug/l	96
86) p-Isopropyltoluene	13.730	119	1184232	53.739	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	554548	49.812	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	542758	48.014	ug/l	98
89) n-Butylbenzene	14.060	91	1028248	54.011	ug/l	99
90) Hexachloroethane	14.336	117	197463	49.595	ug/l	88
91) 1,2-Dichlorobenzene	14.107	146	548271	48.618	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	80352	48.023	ug/l	87
93) 1,2,4-Trichlorobenzene	15.395	180	322154	57.103	ug/l	99
94) Hexachlorobutadiene	15.501	225	169645	57.752	ug/l	98
95) Naphthalene	15.642	128	990434	54.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	322619	58.181	ug/l	98

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

