

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077512.D
 Acq On : 29 Apr 2023 11:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 01 01:22:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/01/2023
 Supervised By : Mahesh Dadoda 05/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	644873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1181564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1086169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	464465	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.584	65	454632	54.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.060%	
35) Dibromofluoromethane	8.172	113	388688	54.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.460%	
50) Toluene-d8	10.566	98	1550775	56.976	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.960%#	
62) 4-Bromofluorobenzene	12.848	95	544213	61.113	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 122.220%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.137	85	383366	46.591	ug/l	97
3) Chloromethane	2.372	50	278889	43.144	ug/l	98
4) Vinyl Chloride	2.525	62	394346	45.794	ug/l	99
5) Bromomethane	2.954	94	321958	43.162	ug/l	98
6) Chloroethane	3.125	64	271372	41.480	ug/l	99
7) Trichlorofluoromethane	3.507	101	614344	48.539	ug/l	98
8) Diethyl Ether	3.966	74	220536	47.950	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.378	101	361948	49.172	ug/l	99
10) Methyl Iodide	4.596	142	439117	48.557	ug/l	97
11) Tert butyl alcohol	5.525	59	267414	197.956	ug/l	98
12) 1,1-Dichloroethene	4.354	96	335570	46.629	ug/l	99
13) Acrolein	4.190	56	258733	192.532	ug/l	99
14) Allyl chloride	5.031	41	361791	45.218	ug/l	90
15) Acrylonitrile	5.725	53	708111	231.066	ug/l	100
16) Acetone	4.431	43	812066	303.337	ug/l	100
17) Carbon Disulfide	4.725	76	824988	45.114	ug/l	100
18) Methyl Acetate	5.031	43	456050	44.113	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1184795	49.504	ug/l	99
20) Methylene Chloride	5.284	84	390018	45.939	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	380738	48.926	ug/l	95
22) Diisopropyl ether	6.678	45	896633	48.828	ug/l	99
23) Vinyl Acetate	6.613	43	2672040	232.998	ug/l	100
24) 1,1-Dichloroethane	6.572	63	645726	49.677	ug/l	99
25) 2-Butanone	7.489	43	933756	245.917	ug/l	99
26) 2,2-Dichloropropane	7.495	77	650914	51.645	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	455804	49.457	ug/l	100
28) Bromochloromethane	7.819	49	259888	52.357	ug/l	95
29) Tetrahydrofuran	7.842	42	516657	217.170	ug/l	99
30) Chloroform	7.972	83	749597	51.171	ug/l	96
31) Cyclohexane	8.260	56	528772	44.358	ug/l	97
32) 1,1,1-Trichloroethane	8.172	97	689880	51.224	ug/l	98
36) 1,1-Dichloropropene	8.378	75	528346	51.496	ug/l	99
37) Ethyl Acetate	7.566	43	352757	45.246	ug/l	98
38) Carbon Tetrachloride	8.366	117	586381	51.800	ug/l	96
39) Methylcyclohexane	9.601	83	708859	52.439	ug/l	99
40) Benzene	8.607	78	1607709	51.437	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	197364	48.604	ug/l	97
42) 1,2-Dichloroethane	8.672	62	553250	51.536	ug/l	99
43) Isopropyl Acetate	8.695	43	630584	46.752	ug/l	97
44) Trichloroethene	9.354	130	408885	51.093	ug/l	98
45) 1,2-Dichloropropane	9.625	63	384616	52.532	ug/l	98
46) Dibromomethane	9.707	93	298441	50.236	ug/l	99
47) Bromodichloromethane	9.889	83	612824	53.329	ug/l	96
48) Methyl methacrylate	9.683	41	285844	46.558	ug/l	99
49) 1,4-Dioxane	9.695	88	137446	892.512	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1800256	227.559	ug/l	98
52) Toluene	10.630	92	1078047	52.650	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	634715	54.547	ug/l	95
54) cis-1,3-Dichloropropene	10.313	75	680764	53.749	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	417115	50.659	ug/l	96
56) Ethyl methacrylate	10.872	69	594328	51.513	ug/l	94
57) 1,3-Dichloropropane	11.166	76	682851	52.065	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	896136	229.638	ug/l	98
59) 2-Hexanone	11.195	43	1390470	241.798	ug/l	96
60) Dibromochloromethane	11.360	129	461437	53.999	ug/l	99
61) 1,2-Dibromoethane	11.472	107	423462	50.375	ug/l	99
64) Tetrachloroethene	11.107	164	329001	50.601	ug/l	98
65) Chlorobenzene	11.895	112	1156070	50.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	417026	49.870	ug/l	97
67) Ethyl Benzene	11.966	91	2126668	52.561	ug/l	100
68) m/p-Xylenes	12.072	106	1641391	104.378	ug/l	97
69) o-Xylene	12.401	106	804780	52.030	ug/l	98
70) Styrene	12.413	104	1345596	55.627	ug/l	99
71) Bromoform	12.577	173	288701	52.770	ug/l #	99
73) Isopropylbenzene	12.701	105	2157797	50.065	ug/l	100
74) N-amyl acetate	12.495	43	536679	42.059	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.936	83	588074	43.425	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	478551m	44.308	ug/l	
77) Bromobenzene	12.983	156	442566	47.115	ug/l	100
78) n-propylbenzene	13.036	91	2477572	51.989	ug/l	99
79) 2-Chlorotoluene	13.130	91	1471121	50.068	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1785346	55.779	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	182634	47.772	ug/l	97
82) 4-Chlorotoluene	13.224	91	1396706	50.871	ug/l	100
83) tert-Butylbenzene	13.442	119	1545669	49.726	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1748061	58.478	ug/l	100
85) sec-Butylbenzene	13.619	105	2261926	53.016	ug/l	99
86) p-Isopropyltoluene	13.730	119	1820552	55.459	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	842015	50.404	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	819626	49.691	ug/l	99
89) n-Butylbenzene	14.060	91	1503016	59.164	ug/l	99
90) Hexachloroethane	14.336	117	346909	47.834	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	819039	49.432	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	106130	42.380	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	246442	47.310	ug/l	95
94) Hexachlorobutadiene	15.501	225	175108	52.300	ug/l	99
95) Naphthalene	15.642	128	909324	46.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	227634	46.871	ug/l	97

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

