

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042723\
 Data File : VN077484.D
 Acq On : 27 Apr 2023 09:15
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 28 03:20:13 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 04/28/2023
 Supervised By : Mahesh Dadoda 04/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	679700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1265454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1145704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	487773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	487443	54.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.920%			
35) Dibromofluoromethane	8.172	113	424621	55.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.660%			
50) Toluene-d8	10.566	98	1661515	56.998	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.000%#			
62) 4-Bromofluorobenzene	12.848	95	581184	60.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.131	85	385834	44.502	ug/l	97
3) Chloromethane	2.372	50	304727	44.725	ug/l	100
4) Vinyl Chloride	2.525	62	421649	46.456	ug/l	100
5) Bromomethane	2.943	94	341709	43.462	ug/l	100
6) Chloroethane	3.119	64	304913	44.218	ug/l	99
7) Trichlorofluoromethane	3.507	101	641681	48.101	ug/l	99
8) Diethyl Ether	3.966	74	228354	47.106	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	376809	48.568	ug/l	98
10) Methyl Iodide	4.596	142	436867	45.833	ug/l	98
11) Tert butyl alcohol	5.525	59	302460	212.426	ug/l	100
12) 1,1-Dichloroethene	4.349	96	348728	45.975	ug/l	98
13) Acrolein	4.184	56	322880	227.955	ug/l	97
14) Allyl chloride	5.031	41	382235	45.325	ug/l	88
15) Acrylonitrile	5.731	53	756979	234.355	ug/l	100
16) Acetone	4.431	43	816893	289.506	ug/l	100
17) Carbon Disulfide	4.719	76	863217	44.786	ug/l	100
18) Methyl Acetate	5.031	43	490675	45.030	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1243618	49.299	ug/l	96
20) Methylene Chloride	5.290	84	409783	45.794	ug/l	97
21) trans-1,2-Dichloroethene	5.796	96	396474	48.338	ug/l	99
22) Diisopropyl ether	6.678	45	942218	48.682	ug/l	97
23) Vinyl Acetate	6.607	43	2863918	236.934	ug/l	100
24) 1,1-Dichloroethane	6.578	63	671939	49.045	ug/l	99
25) 2-Butanone	7.484	43	972544	243.008	ug/l	99
26) 2,2-Dichloropropane	7.490	77	675715	50.865	ug/l	99
27) cis-1,2-Dichloroethene	7.490	96	468111	48.189	ug/l	98
28) Bromochloromethane	7.819	49	298055	56.969	ug/l	99
29) Tetrahydrofuran	7.842	42	557146	222.190	ug/l	99
30) Chloroform	7.966	83	778298	50.408	ug/l	94
31) Cyclohexane	8.260	56	563754	44.870	ug/l	90
32) 1,1,1-Trichloroethane	8.172	97	723192	50.946	ug/l	98
36) 1,1-Dichloropropene	8.378	75	555961	50.595	ug/l	99
37) Ethyl Acetate	7.566	43	373375	44.716	ug/l	99
38) Carbon Tetrachloride	8.366	117	604627	49.871	ug/l	98
39) Methylcyclohexane	9.601	83	729564	50.393	ug/l	99
40) Benzene	8.607	78	1642322	49.061	ug/l	99

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41) Methacrylonitrile	7.784	41	200761	46.163	ug/l	96
42) 1,2-Dichloroethane	8.672	62	563808	49.038	ug/l	99
43) Isopropyl Acetate	8.689	43	680041	47.077	ug/l	98
44) Trichloroethene	9.354	130	437958	51.098	ug/l	95
45) 1,2-Dichloropropane	9.625	63	390134	49.753	ug/l	95
46) Dibromomethane	9.707	93	308779	48.530	ug/l	98
47) Bromodichloromethane	9.889	83	626046	50.868	ug/l	100
48) Methyl methacrylate	9.684	41	299962	45.619	ug/l	98
49) 1,4-Dioxane	9.695	88	147142	892.133	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1887387	222.757	ug/l	97
52) Toluene	10.631	92	1127596	51.419	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	665729	53.420	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	701732	51.731	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	430137	48.777	ug/l	98
56) Ethyl methacrylate	10.878	69	627272	50.764	ug/l	96
57) 1,3-Dichloropropane	11.166	76	720438	51.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	1058766	253.326	ug/l	100
59) 2-Hexanone	11.195	43	1484387	241.018	ug/l	98
60) Dibromochloromethane	11.360	129	479351	52.376	ug/l	100
61) 1,2-Dibromoethane	11.472	107	446624	49.608	ug/l	97
64) Tetrachloroethene	11.107	164	337466	49.205	ug/l	98
65) Chlorobenzene	11.889	112	1191902	49.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	440032	49.887	ug/l	99
67) Ethyl Benzene	11.966	91	2189887	51.311	ug/l	99
68) m/p-Xylenes	12.072	106	1709040	103.033	ug/l	99
69) o-Xylene	12.401	106	831316	50.953	ug/l	96
70) Styrene	12.413	104	1378590	54.030	ug/l	99
71) Bromoform	12.583	173	300709	52.109	ug/l #	100
73) Isopropylbenzene	12.695	105	2228119	49.226	ug/l	100
74) N-amyl acetate	12.495	43	583432	43.538	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	617492	43.418	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	509255m	44.897	ug/l	
77) Bromobenzene	12.983	156	444821	45.092	ug/l	96
78) n-propylbenzene	13.036	91	2541202	50.776	ug/l	99
79) 2-Chlorotoluene	13.124	91	1517525	49.179	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1853793	55.150	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	224405	55.894	ug/l	89
82) 4-Chlorotoluene	13.224	91	1455072	50.464	ug/l	99
83) tert-Butylbenzene	13.442	119	1578228	48.348	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	1783762	56.821	ug/l	97
85) sec-Butylbenzene	13.619	105	2296661	51.258	ug/l	100
86) p-Isopropyltoluene	13.730	119	1850513	53.678	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	874301	49.836	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	847974	48.953	ug/l	98
89) n-Butylbenzene	14.060	91	1588420	59.538	ug/l	99
90) Hexachloroethane	14.336	117	371252	48.745	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	850819	48.897	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	114906	43.692	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	275295	49.452	ug/l	97
94) Hexachlorobutadiene	15.466	225	184113	52.361	ug/l	99
95) Naphthalene	15.589	128	1008690	48.202	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	253811	48.927	ug/l	99

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

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