

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077436.D
 Acq On : 24 Apr 2023 13:15
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 02:04:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 01:54:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	657896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1228872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1134459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	475109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	418819	48.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.620%		
35) Dibromofluoromethane	8.172	113	358908	48.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	10.566	98	1434078	50.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.820%		
62) 4-Bromofluorobenzene	12.848	95	482392	52.249	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	411545	49.010	ug/l	100
3) Chloromethane	2.372	50	312228	47.345	ug/l	100
4) Vinyl Chloride	2.525	62	429564	48.897	ug/l	100
5) Bromomethane	2.949	94	355444	42.736	ug/l	100
6) Chloroethane	3.125	64	303960	45.541	ug/l	100
7) Trichlorofluoromethane	3.507	101	629903	48.783	ug/l	100
8) Diethyl Ether	3.972	74	222765	47.476	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.378	101	357730	47.637	ug/l	100
10) Methyl Iodide	4.596	142	469797	51.327	ug/l	100
11) Tert butyl alcohol	5.525	59	322184	254.242	ug/l	100
12) 1,1-Dichloroethene	4.349	96	345723	46.840	ug/l	100
13) Acrolein	4.184	56	311073	229.038	ug/l	100
14) Allyl chloride	5.031	41	419534	51.397	ug/l	100
15) Acrylonitrile	5.731	53	755206	241.555	ug/l	100
16) Acetone	4.431	43	610839	223.655	ug/l	100
17) Carbon Disulfide	4.725	76	893604	47.899	ug/l	100
18) Methyl Acetate	5.037	43	494624	46.897	ug/l	100
19) Methyl tert-butyl Ether	5.801	73	1173547	48.063	ug/l	100
20) Methylene Chloride	5.290	84	407043	46.995	ug/l	100
21) trans-1,2-Dichloroethene	5.796	96	375928	47.352	ug/l	100
22) Diisopropyl ether	6.678	45	907596	48.447	ug/l	100
23) Vinyl Acetate	6.613	43	2899470	247.825	ug/l	100
24) 1,1-Dichloroethane	6.578	63	650313	49.040	ug/l	100
25) 2-Butanone	7.490	43	913056	235.705	ug/l	100
26) 2,2-Dichloropropane	7.501	77	629942	48.991	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	449839	47.843	ug/l	100
28) Bromochloromethane	7.819	49	271539	53.621	ug/l	100
29) Tetrahydrofuran	7.842	42	578467	238.338	ug/l	100
30) Chloroform	7.972	83	722070	48.316	ug/l	100
31) Cyclohexane	8.260	56	558228	38.960	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	692258	50.383	ug/l	100
36) 1,1-Dichloropropene	8.378	75	534007	50.044	ug/l	100
37) Ethyl Acetate	7.566	43	385619	47.557	ug/l	100
38) Carbon Tetrachloride	8.366	117	591121	50.209	ug/l	100
39) Methylcyclohexane	9.601	83	715491	50.892	ug/l	100
40) Benzene	8.607	78	1607039	49.437	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	207824	49.210	ug/l	100
42) 1,2-Dichloroethane	8.678	62	545521	48.860	ug/l	100
43) Isopropyl Acetate	8.695	43	697105	49.695	ug/l	100
44) Trichloroethene	9.354	130	412853	49.603	ug/l	100
45) 1,2-Dichloropropane	9.619	63	376649	49.463	ug/l	100
46) Dibromomethane	9.713	93	298164	48.257	ug/l	100
47) Bromodichloromethane	9.889	83	596878	49.942	ug/l	100
48) Methyl methacrylate	9.684	41	309646	48.493	ug/l	100
49) 1,4-Dioxane	9.695	88	149086	930.828	ug/l	100
51) 4-Methyl-2-Pentanone	10.448	43	1984645	241.209	ug/l	100
52) Toluene	10.631	92	1091576	51.258	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	633896	52.380	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	682023	51.775	ug/l	100
55) 1,1,2-Trichloroethane	11.019	97	424162	49.531	ug/l	100
56) Ethyl methacrylate	10.878	69	605175	50.434	ug/l	100
57) 1,3-Dichloropropane	11.166	76	688455	50.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	1106269	272.572	ug/l	100
59) 2-Hexanone	11.195	43	1446595	241.874	ug/l	100
60) Dibromochloromethane	11.360	129	459693	51.724	ug/l	100
61) 1,2-Dibromoethane	11.472	107	432839	49.508	ug/l	100
64) Tetrachloroethene	11.107	164	333173	49.061	ug/l	100
65) Chlorobenzene	11.895	112	1160450	48.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	416558	47.694	ug/l	100
67) Ethyl Benzene	11.966	91	2081075	49.245	ug/l	100
68) m/p-Xylenes	12.072	106	1633080	99.429	ug/l	100
69) o-Xylene	12.401	106	807414	49.978	ug/l	100
70) Styrene	12.413	104	1299750	51.445	ug/l	100
71) Bromoform	12.577	173	287948	50.392	ug/l #	100
73) Isopropylbenzene	12.695	105	2106345	47.776	ug/l	100
74) N-amyl acetate	12.495	43	604146	46.286	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.942	83	615011	44.397	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	504576m	44.695	ug/l	
77) Bromobenzene	12.983	156	436654	45.444	ug/l	100
78) n-propylbenzene	13.036	91	2416303	49.567	ug/l	100
79) 2-Chlorotoluene	13.124	91	1442100	47.981	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1739631	53.133	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	192214	50.541	ug/l	100
82) 4-Chlorotoluene	13.224	91	1379903	49.133	ug/l	100
83) tert-Butylbenzene	13.442	119	1507770	47.420	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1712365	56.001	ug/l	100
85) sec-Butylbenzene	13.619	105	2178314	49.912	ug/l	100
86) p-Isopropyltoluene	13.730	119	1753664	52.225	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	809097	47.348	ug/l	100
88) 1,4-Dichlorobenzene	13.813	146	812463	48.192	ug/l	100
89) n-Butylbenzene	14.060	91	1470650	56.593	ug/l	100
90) Hexachloroethane	14.336	117	349295	47.084	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	812020	47.911	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	115322	45.019	ug/l	100
93) 1,2,4-Trichlorobenzene	15.371	180	279176	50.894	ug/l	100
94) Hexachlorobutadiene	15.465	225	167567	48.926	ug/l	100
95) Naphthalene	15.589	128	1060176	50.833	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	261146	50.873	ug/l	100

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

