

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077265.D
 Acq On : 05 Apr 2023 17:41
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN040523

Quant Time: Apr 06 08:27:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	512607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	976136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	903046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	413229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	352076	50.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.500%			
35) Dibromofluoromethane	8.172	113	316782	50.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.572	98	1266415	50.342	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.854	95	443217	52.975	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	308384	47.134	ug/l	99
3) Chloromethane	2.372	50	360728	44.491	ug/l	99
4) Vinyl Chloride	2.519	62	547210	49.778	ug/l	99
5) Bromomethane	2.943	94	363002	45.549	ug/l	99
6) Chloroethane	3.119	64	359959	45.882	ug/l	98
7) Trichlorofluoromethane	3.501	101	457755	48.024	ug/l	97
8) Diethyl Ether	3.966	74	193868	48.536	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.378	101	276782	47.447	ug/l	99
10) Methyl Iodide	4.601	142	341229	48.098	ug/l	96
11) Tert butyl alcohol	5.537	59	349859	244.729	ug/l	98
12) 1,1-Dichloroethene	4.348	96	282218	46.998	ug/l	96
13) Acrolein	4.190	56	318546	235.272	ug/l	95
14) Allyl chloride	5.037	41	398372	43.925	ug/l	98
15) Acrylonitrile	5.731	53	780395	246.925	ug/l	100
16) Acetone	4.437	43	622782	241.095	ug/l	99
17) Carbon Disulfide	4.719	76	760937	46.993	ug/l	99
18) Methyl Acetate	5.031	43	471471	47.923	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1045447	49.066	ug/l	99
20) Methylene Chloride	5.284	84	326718	44.785	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	314008	47.760	ug/l	98
22) Diisopropyl ether	6.678	45	894680	49.206	ug/l	99
23) Vinyl Acetate	6.613	43	3136904	255.157	ug/l	100
24) 1,1-Dichloroethane	6.578	63	564999	48.121	ug/l	98
25) 2-Butanone	7.489	43	1048172	250.020	ug/l	98
26) 2,2-Dichloropropane	7.495	77	541947	50.337	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	383083	47.713	ug/l	98
28) Bromochloromethane	7.819	49	236529	50.080	ug/l	97
29) Tetrahydrofuran	7.842	42	671258	249.080	ug/l	99
30) Chloroform	7.972	83	608612	48.608	ug/l	96
31) Cyclohexane	8.260	56	503354	46.237	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	554073	48.657	ug/l	96
36) 1,1-Dichloropropene	8.378	75	462256	50.016	ug/l	99
37) Ethyl Acetate	7.572	43	431654	52.201	ug/l	98
38) Carbon Tetrachloride	8.366	117	477097	50.386	ug/l	97
39) Methylcyclohexane	9.607	83	628076	50.398	ug/l	98
40) Benzene	8.613	78	1422974	49.361	ug/l	99

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41) Methacrylonitrile	7.784	41	208452	46.898	ug/l	94
42) 1,2-Dichloroethane	8.678	62	451371	50.874	ug/l	99
43) Isopropyl Acetate	8.695	43	755045	49.484	ug/l	99
44) Trichloroethene	9.354	130	343507	49.801	ug/l	100
45) 1,2-Dichloropropane	9.625	63	351900	51.399	ug/l	94
46) Dibromomethane	9.713	93	249021	48.276	ug/l	97
47) Bromodichloromethane	9.889	83	491477	47.669	ug/l	96
48) Methyl methacrylate	9.683	41	326162	50.109	ug/l	99
49) 1,4-Dioxane	9.701	88	160022	1014.020	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	2280857	258.609	ug/l	99
52) Toluene	10.630	92	962043	50.986	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	579942	51.800	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	603430	50.600	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	364441	49.203	ug/l	98
56) Ethyl methacrylate	10.877	69	597692	51.808	ug/l	99
57) 1,3-Dichloropropane	11.166	76	623818	50.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	921076	268.201	ug/l	99
59) 2-Hexanone	11.201	43	1707029	259.795	ug/l	99
60) Dibromochloromethane	11.360	129	395734	51.876	ug/l	97
61) 1,2-Dibromoethane	11.472	107	384303	51.982	ug/l	99
64) Tetrachloroethene	11.107	164	272653	48.875	ug/l	92
65) Chlorobenzene	11.895	112	991397	49.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	363775	48.357	ug/l	99
67) Ethyl Benzene	11.966	91	1865253	50.841	ug/l	97
68) m/p-Xylenes	12.077	106	1457691	101.120	ug/l	99
69) o-Xylene	12.401	106	734200	51.627	ug/l	100
70) Styrene	12.413	104	1205303	52.667	ug/l	99
71) Bromoform	12.583	173	272624	51.483	ug/l #	99
73) Isopropylbenzene	12.701	105	1878175	46.794	ug/l	99
74) N-amyl acetate	12.495	43	683517	44.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	570349	45.281	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	517130m	52.553	ug/l	
77) Bromobenzene	12.983	156	379541	46.506	ug/l	98
78) n-propylbenzene	13.036	91	2151693	48.519	ug/l	98
79) 2-Chlorotoluene	13.130	91	1249652	46.798	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1591197	49.636	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	226768	51.860	ug/l #	84
82) 4-Chlorotoluene	13.224	91	1213243	48.189	ug/l	99
83) tert-Butylbenzene	13.442	119	1325352	46.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1571951	49.634	ug/l	100
85) sec-Butylbenzene	13.618	105	1938342	48.743	ug/l	100
86) p-Isopropyltoluene	13.730	119	1597351	51.110	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	741878	49.136	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	729235	48.977	ug/l	99
89) n-Butylbenzene	14.060	91	1344911	51.836	ug/l	100
90) Hexachloroethane	14.336	117	314142	45.971	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	728983	48.263	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	110987	46.494	ug/l	99
93) 1,2,4-Trichlorobenzene	15.371	180	303260	55.619	ug/l	97
94) Hexachlorobutadiene	15.465	225	143601	45.498	ug/l	99
95) Naphthalene	15.589	128	1190282	58.112	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	287470	55.120	ug/l	98

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

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