

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074918.D
 Acq On : 17 Oct 2022 15:51
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101722

Quant Time: Oct 18 03:00:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 16:03:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	330497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	605685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	693683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	432702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	407798	46.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.560%		
35) Dibromofluoromethane	8.177	113	318190	46.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.440%		
50) Toluene-d8	10.571	98	1328506	47.045	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.100%		
62) 4-Bromofluorobenzene	12.853	95	425172	51.823	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	267842	42.710	ug/l	96
3) Chloromethane	2.383	50	386143	45.717	ug/l	97
4) Vinyl Chloride	2.536	62	598795	43.674	ug/l	98
5) Bromomethane	2.924	94	464306	48.649	ug/l	95
6) Chloroethane	3.095	64	467794	44.439	ug/l	90
7) Trichlorofluoromethane	3.489	101	427619	44.694	ug/l	96
8) Diethyl Ether	3.983	74	208222	48.934	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.383	101	267435	48.088	ug/l	92
10) Methyl Iodide	4.595	142	354516	47.352	ug/l	100
11) Tert butyl alcohol	5.571	59	431459	227.416	ug/l	98
12) 1,1-Dichloroethene	4.353	96	245081	44.371	ug/l	86
13) Acrolein	4.200	56	404411	216.313	ug/l	94
14) Allyl chloride	5.042	41	546810	51.120	ug/l	96
15) Acrylonitrile	5.742	53	1136553	229.123	ug/l	99
16) Acetone	4.453	43	880496	214.824	ug/l	99
17) Carbon Disulfide	4.724	76	611984	43.648	ug/l	97
18) Methyl Acetate	5.047	43	679654	45.338	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	1046930	48.398	ug/l	99
20) Methylene Chloride	5.289	84	322575	44.915	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	276750	44.436	ug/l	91
22) Diisopropyl ether	6.689	45	1194827	49.215	ug/l	97
23) Vinyl Acetate	6.618	43	4335136	251.741	ug/l	99
24) 1,1-Dichloroethane	6.583	63	610755	46.578	ug/l	99
25) 2-Butanone	7.500	43	1566287	229.489	ug/l	98
26) 2,2-Dichloropropane	7.500	77	499253	46.559	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	359378	46.260	ug/l	97
28) Bromochloromethane	7.830	49	303977	47.550	ug/l #	98
29) Tetrahydrofuran	7.853	42	1097535	236.161	ug/l	100
30) Chloroform	7.977	83	627733	49.233	ug/l	99
31) Cyclohexane	8.265	56	511904	45.400	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	514570	47.665	ug/l	97
36) 1,1-Dichloropropene	8.383	75	434725	48.615	ug/l	98
37) Ethyl Acetate	7.571	43	623546	48.268	ug/l	99
38) Carbon Tetrachloride	8.371	117	416898	46.061	ug/l	100
39) Methylcyclohexane	9.606	83	524405	47.587	ug/l	97
40) Benzene	8.612	78	1418399	48.029	ug/l	96

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41) Methacrylonitrile	7.794	41	329968	45.416	ug/l	99
42) 1,2-Dichloroethane	8.677	62	494042	48.344	ug/l	99
43) Isopropyl Acetate	8.694	43	1013209	47.354	ug/l	100
44) Trichloroethene	9.359	130	299104	47.412	ug/l	92
45) 1,2-Dichloropropane	9.630	63	385193	47.092	ug/l	95
46) Dibromomethane	9.712	93	238428	45.525	ug/l	96
47) Bromodichloromethane	9.894	83	500674	51.066	ug/l	97
48) Methyl methacrylate	9.612	41	464622	47.377	ug/l	99
49) 1,4-Dioxane	9.694	88	184771	999.262	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	3304370	238.446	ug/l	100
52) Toluene	10.635	92	889452	49.176	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	567967	51.205	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	591038	49.327	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	368200	48.249	ug/l	98
56) Ethyl methacrylate	10.876	69	627473	51.323	ug/l	97
57) 1,3-Dichloropropane	11.165	76	657198	48.517	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1369017	223.327	ug/l	99
59) 2-Hexanone	11.200	43	2503222	241.102	ug/l	98
60) Dibromochloromethane	11.365	129	360796	49.957	ug/l	97
61) 1,2-Dibromoethane	11.471	107	359788	47.997	ug/l	97
64) Tetrachloroethene	11.106	164	234751	45.749	ug/l	93
65) Chlorobenzene	11.894	112	923617	46.366	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	334733	47.356	ug/l	95
67) Ethyl Benzene	11.965	91	1760573	48.604	ug/l	98
68) m/p-Xylenes	12.071	106	1345018	99.383	ug/l	99
69) o-Xylene	12.400	106	684472	49.797	ug/l	99
70) Styrene	12.412	104	1124444	52.034	ug/l	99
71) Bromoform	12.582	173	260940	50.141	ug/l #	99
73) Isopropylbenzene	12.700	105	1806031	43.819	ug/l	99
74) N-amyl acetate	12.494	43	933606	40.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	629398	39.990	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	472817m	38.660	ug/l	
77) Bromobenzene	12.982	156	363859	40.431	ug/l	99
78) n-propylbenzene	13.041	91	2123594	44.390	ug/l	99
79) 2-Chlorotoluene	13.129	91	1230469	41.471	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1535017	45.364	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	221891	43.611	ug/l	98
82) 4-Chlorotoluene	13.223	91	1179118	45.227	ug/l	98
83) tert-Butylbenzene	13.441	119	1304685	42.132	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1519709	46.797	ug/l	100
85) sec-Butylbenzene	13.617	105	1951055	45.990	ug/l	99
86) p-Isopropyltoluene	13.729	119	1552351	48.233	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	731774	49.186	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	709046	45.110	ug/l	99
89) n-Butylbenzene	14.059	91	1334804	49.829	ug/l	99
90) Hexachloroethane	14.335	117	297177	44.723	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	678458	45.657	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	114598	44.784	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	309194	44.456	ug/l	98
94) Hexachlorobutadiene	15.506	225	148778	44.818	ug/l	98
95) Naphthalene	15.641	128	1294901	43.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	318092	43.819	ug/l	97

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

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