

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074742.D
 Acq On : 05 Oct 2022 14:47
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100522

Quant Time: Oct 06 08:09:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	341773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	633975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	696065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	450804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	426880	52.714	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.420%			
35) Dibromofluoromethane	8.177	113	325700	50.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	10.571	98	1438425	52.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.853	95	472620	56.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.148	85	349052	49.800	ug/l	100
3) Chloromethane	2.383	50	472733	45.352	ug/l	97
4) Vinyl Chloride	2.530	62	638115	49.444	ug/l	98
5) Bromomethane	2.936	94	464647	51.057	ug/l	95
6) Chloroethane	3.118	64	497810	52.133	ug/l	99
7) Trichlorofluoromethane	3.501	101	475182	46.717	ug/l	97
8) Diethyl Ether	3.977	74	251236	47.348	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.389	101	299858	48.122	ug/l	99
10) Methyl Iodide	4.606	142	381433	50.621	ug/l	98
11) Tert butyl alcohol	5.553	59	612591	225.864	ug/l	98
12) 1,1-Dichloroethene	4.359	96	298862	45.056	ug/l	92
13) Acrolein	4.206	56	156930	248.531	ug/l	97
14) Allyl chloride	5.047	41	692047	50.764	ug/l	99
15) Acrylonitrile	5.747	53	1476399	249.579	ug/l	99
16) Acetone	4.453	43	1204151	262.390	ug/l	94
17) Carbon Disulfide	4.730	76	866376	47.796	ug/l #	94
18) Methyl Acetate	5.053	43	806351	47.458	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	1260795	48.857	ug/l	100
20) Methylene Chloride	5.300	84	390003	53.572	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	341568	48.140	ug/l	93
22) Diisopropyl ether	6.694	45	1461054	50.461	ug/l	98
23) Vinyl Acetate	6.624	43	5719286	240.469	ug/l	99
24) 1,1-Dichloroethane	6.583	63	726724	48.682	ug/l	97
25) 2-Butanone	7.500	43	2066065	248.066	ug/l	98
26) 2,2-Dichloropropane	7.506	77	613794	49.851	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	417296	49.405	ug/l	99
28) Bromochloromethane	7.824	49	343526	51.002	ug/l	100
29) Tetrahydrofuran	7.853	42	1437238	247.598	ug/l	99
30) Chloroform	7.977	83	690080	50.470	ug/l	100
31) Cyclohexane	8.265	56	698311	49.892	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	576882	49.498	ug/l	98
36) 1,1-Dichloropropene	8.383	75	536759	51.772	ug/l	98
37) Ethyl Acetate	7.500	43	2066065	49.682	ug/l #	51
38) Carbon Tetrachloride	8.371	117	478011	48.890	ug/l	99
39) Methylcyclohexane	9.606	83	703208	52.358	ug/l #	90
40) Benzene	8.612	78	1690955	50.380	ug/l	97

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41) Methacrylonitrile	7.794	41	394350	48.136	ug/l	98
42) 1,2-Dichloroethane	8.683	62	528838	50.196	ug/l	98
43) Isopropyl Acetate	8.700	43	1277999	49.729	ug/l	99
44) Trichloroethene	9.359	130	353746	50.605	ug/l	94
45) 1,2-Dichloropropane	9.624	63	458108	50.408	ug/l	100
46) Dibromomethane	9.712	93	280250	52.553	ug/l	98
47) Bromodichloromethane	9.888	83	551533	50.622	ug/l	98
48) Methyl methacrylate	9.612	41	558741	52.957	ug/l #	98
49) 1,4-Dioxane	9.700	88	230406	1007.571	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	4202059	253.914	ug/l	100
52) Toluene	10.635	92	1071330	53.134	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	687811	52.983	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	718647	51.276	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	410148	50.590	ug/l	95
56) Ethyl methacrylate	10.877	69	779502	52.791	ug/l	99
57) 1,3-Dichloropropane	11.165	76	743349	50.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1437831	269.974	ug/l	99
59) 2-Hexanone	11.200	43	3266155	260.925	ug/l	100
60) Dibromochloromethane	11.365	129	422416	52.891	ug/l	98
61) 1,2-Dibromoethane	11.471	107	423282	51.345	ug/l	98
64) Tetrachloroethene	11.106	164	286725	50.742	ug/l	97
65) Chlorobenzene	11.894	112	1076030	50.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	378731	48.641	ug/l	100
67) Ethyl Benzene	11.965	91	2065459	51.965	ug/l	100
68) m/p-Xylenes	12.076	106	1600373	107.260	ug/l	97
69) o-Xylene	12.400	106	793856	51.860	ug/l	98
70) Styrene	12.418	104	1320268	54.710	ug/l	99
71) Bromoform	12.582	173	308019	51.861	ug/l #	98
73) Isopropylbenzene	12.700	105	2063520	47.568	ug/l	100
74) N-amyl acetate	12.494	43	1175087	44.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	738514	52.679	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	661125m	49.135	ug/l	
77) Bromobenzene	12.982	156	411231	52.945	ug/l	99
78) n-propylbenzene	13.041	91	2488444	49.792	ug/l	99
79) 2-Chlorotoluene	13.129	91	1415051	46.693	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1758275	50.821	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	317229	45.936	ug/l	93
82) 4-Chlorotoluene	13.223	91	1375580	48.973	ug/l	98
83) tert-Butylbenzene	13.441	119	1483120	49.608	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1758768	50.275	ug/l	99
85) sec-Butylbenzene	13.618	105	2228478	51.293	ug/l	99
86) p-Isopropyltoluene	13.729	119	1805370	53.848	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	846665	49.212	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	840432	51.718	ug/l	99
89) n-Butylbenzene	14.059	91	1606700	54.370	ug/l	99
90) Hexachloroethane	14.335	117	348681	46.513	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	844028	50.942	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	156086	43.410	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	376737	51.983	ug/l	98
94) Hexachlorobutadiene	15.506	225	159801	47.135	ug/l	98
95) Naphthalene	15.641	128	1582723	50.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	371335	51.877	ug/l	99

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

