

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101922\
 Data File : VN074932.D
 Acq On : 19 Oct 2022 15:44
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 05:46:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101922W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 05:43:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	238631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	421648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	54988	9.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.420%#		
35) Dibromofluoromethane	8.171	113	41233	8.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	17.840%#		
50) Toluene-d8	10.571	98	169023	9.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.020%#		
62) 4-Bromofluorobenzene	12.853	95	41015	8.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	16.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	39223	9.501	ug/l	99
3) Chloromethane	2.389	50	57340	9.195	ug/l	98
4) Vinyl Chloride	2.536	62	100610	10.146	ug/l	92
5) Bromomethane	2.948	94	82533	8.245	ug/l	96
6) Chloroethane	3.130	64	84992	8.665	ug/l	96
7) Trichlorofluoromethane	3.506	101	65864	10.111	ug/l #	83
8) Diethyl Ether	3.983	74	30046	10.062	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	43843	10.750	ug/l	95
10) Methyl Iodide	4.606	142	55787	10.262	ug/l #	75
11) Tert butyl alcohol	5.553	59	70186	52.578	ug/l	95
12) 1,1-Dichloroethene	4.359	96	36168	9.698	ug/l	95
13) Acrolein	4.212	56	44943	45.982	ug/l	97
14) Allyl chloride	5.053	41	71249	9.807	ug/l	94
15) Acrylonitrile	5.742	53	166279	49.935	ug/l	98
16) Acetone	4.459	43	140344	48.747	ug/l	100
17) Carbon Disulfide	4.736	76	77779	8.974	ug/l #	93
18) Methyl Acetate	5.059	43	103505	10.137	ug/l #	83
19) Methyl tert-butyl Ether	5.818	73	148248	10.181	ug/l	92
20) Methylene Chloride	5.306	84	54984	9.615	ug/l	87
21) trans-1,2-Dichloroethene	5.812	96	41992	10.105	ug/l	91
22) Diisopropyl ether	6.683	45	159914	10.138	ug/l #	94
23) Vinyl Acetate	6.624	43	632693	52.998	ug/l	99
24) 1,1-Dichloroethane	6.589	63	89149	10.206	ug/l	97
25) 2-Butanone	7.500	43	232063	49.632	ug/l	93
26) 2,2-Dichloropropane	7.500	77	71292	9.813	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	52184	9.507	ug/l	93
28) Bromochloromethane	7.824	49	35369	9.114	ug/l	96
29) Tetrahydrofuran	7.853	42	150502	49.938	ug/l	97
30) Chloroform	7.983	83	88703	10.153	ug/l	98
31) Cyclohexane	8.265	56	71541	9.858	ug/l #	90
32) 1,1,1-Trichloroethane	8.177	97	71064	9.607	ug/l	93
36) 1,1-Dichloropropene	8.377	75	62668	9.928	ug/l	95
37) Ethyl Acetate	7.577	43	88150	9.447	ug/l	98
38) Carbon Tetrachloride	8.371	117	59217	9.568	ug/l #	97
39) Methylcyclohexane	9.606	83	70428	9.602	ug/l	94
40) Benzene	8.618	78	197822	9.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	46133	9.421	ug/l	98
42) 1,2-Dichloroethane	8.683	62	67136	9.675	ug/l	99
43) Isopropyl Acetate	8.694	43	136848	9.709	ug/l	99
44) Trichloroethene	9.359	130	43150	9.160	ug/l	99
45) 1,2-Dichloropropane	9.630	63	52516	9.412	ug/l #	87
46) Dibromomethane	9.718	93	34255	9.433	ug/l	93
47) Bromodichloromethane	9.894	83	70478	10.294	ug/l	97
48) Methyl methacrylate	9.688	41	58182	9.441	ug/l	96
49) 1,4-Dioxane	9.700	88	25022	182.236	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	457475	48.382	ug/l	99
52) Toluene	10.629	92	121139	9.529	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	69417	9.514	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	77265	9.598	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	50078	9.491	ug/l #	86
56) Ethyl methacrylate	10.877	69	79394	9.736	ug/l	97
57) 1,3-Dichloropropane	11.165	76	87410	9.479	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	154706	45.021	ug/l	98
59) 2-Hexanone	11.200	43	331015	47.581	ug/l	98
60) Dibromochloromethane	11.359	129	47240	9.146	ug/l	98
61) 1,2-Dibromoethane	11.471	107	48682	9.340	ug/l	96
64) Tetrachloroethene	11.100	164	37180	10.345	ug/l #	77
65) Chlorobenzene	11.894	112	121024	9.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46223	9.791	ug/l	98
67) Ethyl Benzene	11.965	91	214331	9.939	ug/l	98
68) m/p-Xylenes	12.076	106	160224	19.285	ug/l	99
69) o-Xylene	12.400	106	80077	9.379	ug/l	98
70) Styrene	12.412	104	121237	9.450	ug/l	98
71) Bromoform	12.576	173	28362	8.775	ug/l #	94
73) Isopropylbenzene	12.694	105	195279	10.115	ug/l	97
74) N-amyl acetate	12.494	43	97011	10.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	79060	10.669	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	54175m	10.243	ug/l	
77) Bromobenzene	12.982	156	38848	9.205	ug/l	83
78) n-propylbenzene	13.041	91	211963	9.825	ug/l	98
79) 2-Chlorotoluene	13.123	91	126817	10.152	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	152435	9.917	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	19404	9.386	ug/l	94
82) 4-Chlorotoluene	13.123	91	126817	10.152	ug/l	98
83) tert-Butylbenzene	13.441	119	141524	10.247	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	139486	9.478	ug/l	98
85) sec-Butylbenzene	13.618	105	180916	9.678	ug/l	100
86) p-Isopropyltoluene	13.729	119	137185	9.475	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	70303	9.468	ug/l	93
88) 1,4-Dichlorobenzene	13.817	146	68937	9.406	ug/l	96
89) n-Butylbenzene	14.059	91	116414	9.707	ug/l	97
90) Hexachloroethane	14.329	117	29958	9.411	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	69443	9.733	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12622	9.945	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	34683	10.040	ug/l	98
94) Hexachlorobutadiene	15.506	225	18974	10.326	ug/l	90
95) Naphthalene	15.641	128	129617	9.614	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	34905	9.246	ug/l	90

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

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