

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074912.D
 Acq On : 17 Oct 2022 12:36
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 17 12:55:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 11:33:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	324044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	655095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	324284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	166904	21.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.540%#		
35) Dibromofluoromethane	8.177	113	127840	20.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	10.571	98	534671	20.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.847	95	149968	20.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	118257	19.022	ug/l	94
3) Chloromethane	2.389	50	186552	20.190	ug/l	99
4) Vinyl Chloride	2.530	62	267151	19.692	ug/l	99
5) Bromomethane	2.948	94	179538	17.150	ug/l	89
6) Chloroethane	3.130	64	193734	18.044	ug/l	99
7) Trichlorofluoromethane	3.501	101	182041	19.295	ug/l	92
8) Diethyl Ether	3.983	74	76211	17.579	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.401	101	108783	18.238	ug/l	98
10) Methyl Iodide	4.612	142	137539	20.828	ug/l	97
11) Tert butyl alcohol	5.559	59	184466	95.531	ug/l	99
12) 1,1-Dichloroethene	4.359	96	97913	17.538	ug/l	84
13) Acrolein	4.201	56	177412	86.831	ug/l	98
14) Allyl chloride	5.053	41	184366	16.728	ug/l	93
15) Acrylonitrile	5.747	53	491293	103.957	ug/l	98
16) Acetone	4.459	43	395847	97.880	ug/l	99
17) Carbon Disulfide	4.730	76	250541	17.687	ug/l	98
18) Methyl Acetate	5.053	43	297579	20.550	ug/l	100
19) Methyl tert-butyl Ether	5.824	73	425646	19.310	ug/l	99
20) Methylene Chloride	5.300	84	138428	17.484	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	112672	18.235	ug/l	96
22) Diisopropyl ether	6.694	45	467400	18.531	ug/l #	93
23) Vinyl Acetate	6.624	43	1642523	88.743	ug/l	97
24) 1,1-Dichloroethane	6.583	63	242997	17.900	ug/l	97
25) 2-Butanone	7.500	43	663948	99.702	ug/l	99
26) 2,2-Dichloropropane	7.506	77	192352	17.668	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	146904	19.139	ug/l	97
28) Bromochloromethane	7.830	49	130497	22.890	ug/l	96
29) Tetrahydrofuran	7.853	42	442803	101.284	ug/l	99
30) Chloroform	7.971	83	246572	19.622	ug/l	88
31) Cyclohexane	8.265	56	210199	18.040	ug/l	95
32) 1,1,1-Trichloroethane	8.183	97	205622	19.270	ug/l	96
36) 1,1-Dichloropropene	8.377	75	163429	17.755	ug/l	97
37) Ethyl Acetate	7.577	43	255185	18.306	ug/l #	94
38) Carbon Tetrachloride	8.377	117	164222	18.874	ug/l	98
39) Methylcyclohexane	9.606	83	208501	18.785	ug/l	97
40) Benzene	8.612	78	557625	18.419	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	137733	20.475	ug/l	97
42) 1,2-Dichloroethane	8.683	62	187349	18.943	ug/l	98
43) Isopropyl Acetate	8.700	43	404274	19.220	ug/l	96
44) Trichloroethene	9.359	130	118614	18.721	ug/l	96
45) 1,2-Dichloropropane	9.624	63	150339	18.448	ug/l	95
46) Dibromomethane	9.706	93	100640	19.286	ug/l	95
47) Bromodichloromethane	9.894	83	194201	19.396	ug/l #	99
48) Methyl methacrylate	9.624	41	192733	19.676	ug/l #	96
49) 1,4-Dioxane	9.700	88	74117	415.291	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	1354058	100.116	ug/l	99
52) Toluene	10.635	92	337576	18.615	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	207748	18.985	ug/l	91
54) cis-1,3-Dichloropropene	10.318	75	222233	19.049	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	144325	19.814	ug/l	96
56) Ethyl methacrylate	10.877	69	235918	20.235	ug/l	97
57) 1,3-Dichloropropane	11.165	76	247036	18.700	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.165	63	554728	133.655	ug/l	97
59) 2-Hexanone	11.200	43	1028615	104.171	ug/l	99
60) Dibromochloromethane	11.365	129	141420	19.375	ug/l	98
61) 1,2-Dibromoethane	11.471	107	145146	20.148	ug/l	95
64) Tetrachloroethene	11.100	164	92284	17.464	ug/l	87
65) Chlorobenzene	11.894	112	356187	18.840	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.971	131	129819	18.314	ug/l	99
67) Ethyl Benzene	11.965	91	667704	19.263	ug/l	95
68) m/p-Xylenes	12.071	106	501194	38.831	ug/l	99
69) o-Xylene	12.400	106	253557	19.232	ug/l	97
70) Styrene	12.412	104	396245	18.949	ug/l	97
71) Bromoform	12.582	173	91001	18.536	ug/l #	99
73) Isopropylbenzene	12.700	105	647507	22.447	ug/l	99
74) N-amyl acetate	12.494	43	355283	22.688	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	238560	20.879	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	201007m	21.055	ug/l	
77) Bromobenzene	12.982	156	127424	19.944	ug/l	96
78) n-propylbenzene	13.041	91	735533	22.336	ug/l	99
79) 2-Chlorotoluene	13.129	91	423617	21.515	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	521100	22.223	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	75806	22.224	ug/l	98
82) 4-Chlorotoluene	13.223	91	374347	20.330	ug/l	97
83) tert-Butylbenzene	13.441	119	465413	22.969	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	501846	21.783	ug/l	99
85) sec-Butylbenzene	13.618	105	640443	21.920	ug/l	100
86) p-Isopropyltoluene	13.729	119	494887	21.314	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	221504	18.480	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	218493	18.475	ug/l	99
89) n-Butylbenzene	14.059	91	398385	20.135	ug/l	97
90) Hexachloroethane	14.335	117	94207	18.898	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	216628	17.423	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38549	18.188	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	105006	18.672	ug/l	99
94) Hexachlorobutadiene	15.506	225	44328	16.413	ug/l	93
95) Naphthalene	15.641	128	434389	21.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	102038	19.155	ug/l	95

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

