

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075764.D
 Acq On : 14 Dec 2022 11:20
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 11:52:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 11:45:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	275950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	439786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	395688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	182668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	27618	9.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.860%#		
35) Dibromofluoromethane	8.171	113	24821	9.251	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.500%#		
50) Toluene-d8	10.565	98	93250	9.254	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.500%#		
62) 4-Bromofluorobenzene	12.847	95	28927	8.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	16.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	18359	9.046	ug/l	100
3) Chloromethane	2.371	50	23444	9.695	ug/l	97
4) Vinyl Chloride	2.530	62	26890	9.053	ug/l	98
5) Bromomethane	2.965	94	23094	9.129	ug/l	96
6) Chloroethane	3.130	64	21325	9.622	ug/l	96
7) Trichlorofluoromethane	3.512	101	43520	10.098	ug/l	91
8) Diethyl Ether	3.977	74	15539	9.863	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	24164	9.554	ug/l	95
10) Methyl Iodide	4.601	142	38078	9.213	ug/l	98
11) Tert butyl alcohol	5.536	59	19969	46.102	ug/l #	89
12) 1,1-Dichloroethene	4.353	96	23200	9.814	ug/l	84
13) Acrolein	4.189	56	22837	45.778	ug/l	96
14) Allyl chloride	5.042	41	27030	9.182	ug/l	99
15) Acrylonitrile	5.736	53	55251	49.383	ug/l	99
16) Acetone	4.448	43	51699	52.140	ug/l	97
17) Carbon Disulfide	4.724	76	54774	8.756	ug/l	99
18) Methyl Acetate	5.042	43	29443	9.241	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	76854	9.665	ug/l	100
20) Methylene Chloride	5.289	84	27391	9.266	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	25359	9.599	ug/l	87
22) Diisopropyl ether	6.683	45	67249	10.040	ug/l	93
23) Vinyl Acetate	6.618	43	221661	43.398	ug/l	99
24) 1,1-Dichloroethane	6.577	63	44598	10.115	ug/l	94
25) 2-Butanone	7.494	43	71370	49.238	ug/l	98
26) 2,2-Dichloropropane	7.500	77	37144	9.878	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	31407	9.793	ug/l	97
28) Bromochloromethane	7.824	49	19688	11.168	ug/l	99
29) Tetrahydrofuran	7.853	42	43183	48.334	ug/l	99
30) Chloroform	7.971	83	50618	10.365	ug/l	96
31) Cyclohexane	8.265	56	42862	9.887	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	43689	9.697	ug/l	94
36) 1,1-Dichloropropene	8.377	75	35490	9.961	ug/l	98
37) Ethyl Acetate	7.565	43	29463	10.300	ug/l	96
38) Carbon Tetrachloride	8.371	117	40085	9.750	ug/l	91
39) Methylcyclohexane	9.606	83	42593	9.428	ug/l	94
40) Benzene	8.612	78	110191	10.078	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	13657	9.311	ug/l	95
42) 1,2-Dichloroethane	8.677	62	37681	10.302	ug/l	99
43) Isopropyl Acetate	8.688	43	46507	9.738	ug/l	99
44) Trichloroethene	9.353	130	30069	9.748	ug/l	94
45) 1,2-Dichloropropane	9.624	63	26294	10.111	ug/l	91
46) Dibromomethane	9.712	93	18983	9.723	ug/l	96
47) Bromodichloromethane	9.888	83	38550	10.070	ug/l	95
48) Methyl methacrylate	9.683	41	21435	9.745	ug/l	99
49) 1,4-Dioxane	9.700	88	10671	199.585	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	143443	48.712	ug/l	100
52) Toluene	10.630	92	70615	9.771	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	36739	9.717	ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	40293	9.579	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	28150	9.906	ug/l	96
56) Ethyl methacrylate	10.877	69	36228	9.409	ug/l	96
57) 1,3-Dichloropropane	11.165	76	46582	10.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	51593	45.382	ug/l	98
59) 2-Hexanone	11.194	43	104318	48.760	ug/l	99
60) Dibromochloromethane	11.359	129	29668	9.488	ug/l	97
61) 1,2-Dibromoethane	11.471	107	28485	9.568	ug/l	99
64) Tetrachloroethene	11.106	164	27476	9.533	ug/l	93
65) Chlorobenzene	11.894	112	78517	9.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	29740	10.040	ug/l	99
67) Ethyl Benzene	11.965	91	132808	9.643	ug/l	98
68) m/p-Xylenes	12.071	106	106925	19.214	ug/l	98
69) o-Xylene	12.400	106	52834	9.784	ug/l	100
70) Styrene	12.412	104	81359	9.393	ug/l	99
71) Bromoform	12.576	173	21378	9.522	ug/l #	94
73) Isopropylbenzene	12.694	105	134450	10.251	ug/l	99
74) N-amyl acetate	12.494	43	37879	9.940	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	41467	10.525	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	36924m	10.065	ug/l	
77) Bromobenzene	12.982	156	32626	9.891	ug/l	99
78) n-propylbenzene	13.035	91	143970	9.892	ug/l	100
79) 2-Chlorotoluene	13.124	91	91306	10.162	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	111109	10.133	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	9184	9.370	ug/l	91
82) 4-Chlorotoluene	13.124	91	91306	10.162	ug/l	98
83) tert-Butylbenzene	13.441	119	98912	9.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	112126	10.174	ug/l	99
85) sec-Butylbenzene	13.618	105	132015	9.657	ug/l	99
86) p-Isopropyltoluene	13.735	119	109963	9.613	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	60751	9.849	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	59876	9.543	ug/l	97
89) n-Butylbenzene	14.059	91	82995	9.053	ug/l	99
90) Hexachloroethane	14.335	117	18603	9.495	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	60978	9.934	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6767	10.452	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	26977	9.154	ug/l	98
94) Hexachlorobutadiene	15.500	225	15339	9.174	ug/l	96
95) Naphthalene	15.641	128	72737	8.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	26154	9.032	ug/l	99

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

