

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075736.D
 Acq On : 13 Dec 2022 03:15
 Operator : JC\MD
 Sample : VN1212WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD02

Quant Time: Dec 13 05:34:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	201518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	329689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116819	54.635	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.280%			
35) Dibromofluoromethane	8.171	113	107882	53.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.260%			
50) Toluene-d8	10.571	98	406956	53.873	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.853	95	136777	52.958	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	26685	18.004	ug/l	97
3) Chloromethane	2.377	50	33353	18.888	ug/l	97
4) Vinyl Chloride	2.524	62	39063	18.009	ug/l	99
5) Bromomethane	2.959	94	34886	18.884	ug/l	98
6) Chloroethane	3.130	64	29856	18.447	ug/l	99
7) Trichlorofluoromethane	3.512	101	58577	18.613	ug/l	98
8) Diethyl Ether	3.977	74	22908	19.910	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	34318	18.581	ug/l	99
10) Methyl Iodide	4.606	142	57526	19.060	ug/l	99
11) Tert butyl alcohol	5.541	59	30463	96.306	ug/l	98
12) 1,1-Dichloroethene	4.353	96	34259	19.845	ug/l	99
13) Acrolein	4.194	56	50283	138.025	ug/l	97
14) Allyl chloride	5.042	41	39612	18.426	ug/l	97
15) Acrylonitrile	5.730	53	80547	98.583	ug/l	97
16) Acetone	4.447	43	62213	85.918	ug/l	93
17) Carbon Disulfide	4.724	76	82822	18.131	ug/l	99
18) Methyl Acetate	5.042	43	43269	18.596	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	118084	20.334	ug/l	99
20) Methylene Chloride	5.289	84	40647	18.830	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	36692	19.019	ug/l	95
22) Diisopropyl ether	6.683	45	103884	21.238	ug/l	99
23) Vinyl Acetate	6.612	43	382590m	102.573	ug/l	
24) 1,1-Dichloroethane	6.583	63	65481	20.337	ug/l	96
25) 2-Butanone	7.494	43	101686	96.063	ug/l	94
26) 2,2-Dichloropropane	7.500	77	48052	17.498	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	46119	19.691	ug/l	97
28) Bromochloromethane	7.824	49	27136	21.079	ug/l	98
29) Tetrahydrofuran	7.847	42	65938	101.063	ug/l	98
30) Chloroform	7.971	83	73918	20.726	ug/l	96
31) Cyclohexane	8.259	56	58062	18.341	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	67164	20.413	ug/l	95
36) 1,1-Dichloropropene	8.377	75	51462	19.267	ug/l	99
37) Ethyl Acetate	7.571	43	43583	20.324	ug/l	97
38) Carbon Tetrachloride	8.365	117	57240	18.572	ug/l	99
39) Methylcyclohexane	9.606	83	63619	18.784	ug/l	97
40) Benzene	8.612	78	163506	19.947	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	21738	19.769	ug/l	99
42) 1,2-Dichloroethane	8.677	62	54182	19.760	ug/l	100
43) Isopropyl Acetate	8.694	43	71688	20.024	ug/l	99
44) Trichloroethene	9.353	130	44143	19.089	ug/l	93
45) 1,2-Dichloropropane	9.624	63	39001	20.005	ug/l	99
46) Dibromomethane	9.712	93	29709	20.298	ug/l	98
47) Bromodichloromethane	9.888	83	57472	20.027	ug/l	93
48) Methyl methacrylate	9.682	41	32365	19.629	ug/l	99
49) 1,4-Dioxane	9.700	88	15252	380.528	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	217417	98.488	ug/l	100
52) Toluene	10.635	92	108760	20.074	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	56778	20.033	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	62968	19.969	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	41862	19.651	ug/l	94
56) Ethyl methacrylate	10.876	69	58280	20.191	ug/l	99
57) 1,3-Dichloropropane	11.165	76	70876	20.585	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	70614	82.856	ug/l	100
59) 2-Hexanone	11.194	43	156976	97.876	ug/l	99
60) Dibromochloromethane	11.359	129	47849	20.413	ug/l	98
61) 1,2-Dibromoethane	11.470	107	43549	19.513	ug/l	98
64) Tetrachloroethene	11.106	164	39451	17.982	ug/l	94
65) Chlorobenzene	11.894	112	117397	18.944	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	44623	19.791	ug/l	98
67) Ethyl Benzene	11.965	91	206904	19.736	ug/l	98
68) m/p-Xylenes	12.076	106	164804	38.905	ug/l	99
69) o-Xylene	12.400	106	83517	20.317	ug/l	99
70) Styrene	12.412	104	131744	19.983	ug/l	100
71) Bromoform	12.582	173	33015	19.318	ug/l #	96
73) Isopropylbenzene	12.700	105	208512	19.803	ug/l	99
74) N-amyl acetate	12.494	43	61306	20.039	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	60335	19.076	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	50478m	17.141	ug/l	
77) Bromobenzene	12.982	156	52178	19.705	ug/l	98
78) n-propylbenzene	13.035	91	232901	19.934	ug/l	99
79) 2-Chlorotoluene	13.129	91	143159	19.847	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	178577	20.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	14701	18.077	ug/l	98
82) 4-Chlorotoluene	13.129	91	143159	19.847	ug/l	100
83) tert-Butylbenzene	13.441	119	159606	19.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	177145	20.022	ug/l	99
85) sec-Butylbenzene	13.617	105	212832	19.393	ug/l	99
86) p-Isopropyltoluene	13.729	119	182288	19.851	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	97278	19.644	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	95531	18.966	ug/l	98
89) n-Butylbenzene	14.059	91	139384	18.938	ug/l	99
90) Hexachloroethane	14.335	117	31671	20.136	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	96103	19.503	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9558	18.390	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	44991	19.018	ug/l	98
94) Hexachlorobutadiene	15.506	225	23663	17.629	ug/l	96
95) Naphthalene	15.641	128	131859	18.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	44312	19.062	ug/l	99

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

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