

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN12222\
 Data File : VN075939.D
 Acq On : 22 Dec 2022 12:51
 Operator : JC\MD
 Sample : VN1222WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 04:00:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	271281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	434252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	392885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	156352	52.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	8.171	113	141782	52.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.440%			
50) Toluene-d8	10.571	98	527280	52.440	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.880%			
62) 4-Bromofluorobenzene	12.853	95	176389	52.965	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	33745	17.519	ug/l	94
3) Chloromethane	2.371	50	42604	17.787	ug/l	97
4) Vinyl Chloride	2.524	62	50185	17.565	ug/l	98
5) Bromomethane	2.971	94	42369	17.449	ug/l	98
6) Chloroethane	3.136	64	38022	17.971	ug/l	99
7) Trichlorofluoromethane	3.512	101	81603	18.823	ug/l	100
8) Diethyl Ether	3.977	74	32204	20.338	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	48463	19.577	ug/l	97
10) Methyl Iodide	4.606	142	71518	17.801	ug/l #	95
11) Tert butyl alcohol	5.542	59	40747	97.573	ug/l	96
12) 1,1-Dichloroethene	4.353	96	44741	18.608	ug/l	97
13) Acrolein	4.195	56	70099	136.921	ug/l	100
14) Allyl chloride	5.036	41	52092	18.534	ug/l	90
15) Acrylonitrile	5.736	53	115574	101.415	ug/l	98
16) Acetone	4.448	43	99711	98.009	ug/l	100
17) Carbon Disulfide	4.730	76	94747	16.276	ug/l	98
18) Methyl Acetate	5.048	43	61469	20.440	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	163939	20.706	ug/l	95
20) Methylene Chloride	5.289	84	52593	18.927	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	49999	18.988	ug/l	86
22) Diisopropyl ether	6.683	45	142143	20.818	ug/l	99
23) Vinyl Acetate	6.618	43	470776	102.440	ug/l	99
24) 1,1-Dichloroethane	6.577	63	87975	19.320	ug/l	99
25) 2-Butanone	7.494	43	148086	103.957	ug/l	99
26) 2,2-Dichloropropane	7.500	77	75780	19.651	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	60048	19.068	ug/l	95
28) Bromochloromethane	7.818	49	40072	20.078	ug/l	100
29) Tetrahydrofuran	7.847	42	94357	105.699	ug/l	98
30) Chloroform	7.971	83	99442	19.396	ug/l	95
31) Cyclohexane	8.265	56	76455	18.088	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	87409	19.231	ug/l	94
36) 1,1-Dichloropropene	8.377	75	69256	19.386	ug/l	99
37) Ethyl Acetate	7.571	43	57051	19.882	ug/l	98
38) Carbon Tetrachloride	8.371	117	77648	19.420	ug/l	96
39) Methylcyclohexane	9.606	83	85702	19.885	ug/l	97
40) Benzene	8.612	78	215656	19.566	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	30042	20.141	ug/l	95
42) 1,2-Dichloroethane	8.677	62	74348	20.289	ug/l	100
43) Isopropyl Acetate	8.694	43	99364	20.992	ug/l	99
44) Trichloroethene	9.359	130	58415	18.812	ug/l	99
45) 1,2-Dichloropropane	9.630	63	53695	20.019	ug/l	99
46) Dibromomethane	9.712	93	39560	19.886	ug/l	99
47) Bromodichloromethane	9.894	83	78708	20.175	ug/l	96
48) Methyl methacrylate	9.682	41	46123	21.634	ug/l	99
49) 1,4-Dioxane	9.700	88	22297	425.418	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	308168	107.653	ug/l	100
52) Toluene	10.635	92	144152	20.081	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	76348	19.992	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	85393	20.366	ug/l	98
55) 1,1,2-Trichloroethane	11.024	97	56759	20.145	ug/l	99
56) Ethyl methacrylate	10.877	69	79884	21.345	ug/l	98
57) 1,3-Dichloropropane	11.171	76	93797	20.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	109713	92.076	ug/l	98
59) 2-Hexanone	11.200	43	222653	106.654	ug/l	99
60) Dibromochloromethane	11.365	129	63933	20.404	ug/l	100
61) 1,2-Dibromoethane	11.471	107	57882	20.300	ug/l	97
64) Tetrachloroethene	11.106	164	58833	21.281	ug/l	98
65) Chlorobenzene	11.894	112	157139	19.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	61504	20.592	ug/l	96
67) Ethyl Benzene	11.965	91	266435	19.577	ug/l	98
68) m/p-Xylenes	12.076	106	216043	40.106	ug/l	97
69) o-Xylene	12.400	106	104929	19.684	ug/l	100
70) Styrene	12.412	104	171949	20.287	ug/l	99
71) Bromoform	12.582	173	45035	20.721	ug/l #	99
73) Isopropylbenzene	12.700	105	275874	20.668	ug/l	100
74) N-amyl acetate	12.494	43	81218	20.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	80989	19.628	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	62989m	16.918	ug/l	
77) Bromobenzene	12.982	156	65351	19.346	ug/l	98
78) n-propylbenzene	13.041	91	306229	20.801	ug/l	99
79) 2-Chlorotoluene	13.129	91	187852	20.441	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	233884	20.936	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	20873	20.179	ug/l	94
82) 4-Chlorotoluene	13.129	91	187852	20.441	ug/l	100
83) tert-Butylbenzene	13.441	119	210634	21.385	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	233809	21.097	ug/l	100
85) sec-Butylbenzene	13.618	105	286430	21.069	ug/l	99
86) p-Isopropyltoluene	13.735	119	237625	21.007	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	126146	20.216	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	122633	19.238	ug/l	99
89) n-Butylbenzene	14.059	91	185146	20.203	ug/l	100
90) Hexachloroethane	14.341	117	40882	20.204	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	124202	20.208	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14155	19.333	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	62427	20.516	ug/l	99
94) Hexachlorobutadiene	15.506	225	34701	20.903	ug/l	96
95) Naphthalene	15.641	128	188101	20.075	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	61763	21.717	ug/l	98

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

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