

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079842.D
 Acq On : 03 Nov 2023 12:30
 Operator : JC\MD
 Sample : VN1103WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1103WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

Quant Time: Nov 04 00:50:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	280016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	474152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	436268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224319	52.581	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	8.165	113	173492	51.698	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.571	98	640951	51.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.853	95	215612	52.624	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69871	20.716	ug/l	99
3) Chloromethane	2.359	50	79983	18.198	ug/l	98
4) Vinyl Chloride	2.512	62	104155	23.591	ug/l	96
5) Bromomethane	2.954	94	61755	23.021	ug/l	93
6) Chloroethane	3.118	64	79832	22.884	ug/l	95
7) Trichlorofluoromethane	3.501	101	119211	21.709	ug/l	98
8) Diethyl Ether	3.959	74	42512	20.401	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.377	101	63891	20.071	ug/l	97
10) Methyl Iodide	4.589	142	71449	19.655	ug/l	97
11) Tert butyl alcohol	5.512	59	47789	87.752	ug/l	99
12) 1,1-Dichloroethene	4.342	96	59705	19.809	ug/l	84
13) Acrolein	4.183	56	58061	123.979	ug/l	95
14) Allyl chloride	5.030	41	97025	21.017	ug/l	93
15) Acrylonitrile	5.718	53	177914	104.832	ug/l	99
16) Acetone	4.424	43	164212	109.583	ug/l	91
17) Carbon Disulfide	4.712	76	167457	19.261	ug/l	98
18) Methyl Acetate	5.024	43	149856	20.902	ug/l #	81
19) Methyl tert-butyl Ether	5.795	73	216215	20.836	ug/l	94
20) Methylene Chloride	5.271	84	79054	20.907	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	69231	20.595	ug/l	89
22) Diisopropyl ether	6.671	45	250530	23.418	ug/l #	90
23) Vinyl Acetate	6.606	43	648089	109.825	ug/l #	84
24) 1,1-Dichloroethane	6.571	63	144161	22.170	ug/l	99
25) 2-Butanone	7.483	43	239740	109.252	ug/l #	82
26) 2,2-Dichloropropane	7.489	77	115166	21.416	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	84646	21.051	ug/l	86
28) Bromochloromethane	7.812	49	69864	22.047	ug/l #	73
29) Tetrahydrofuran	7.836	42	154526	108.235	ug/l #	74
30) Chloroform	7.965	83	150717	21.339	ug/l	93
31) Cyclohexane	8.259	56	115560	20.499	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	123390	21.440	ug/l	95
36) 1,1-Dichloropropene	8.371	75	103529	21.606	ug/l	95
37) Ethyl Acetate	7.559	43	97453	22.176	ug/l #	90
38) Carbon Tetrachloride	8.365	117	103468	21.426	ug/l	98
39) Methylcyclohexane	9.600	83	92186	20.443	ug/l #	85
40) Benzene	8.606	78	319126	22.236	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	53972	23.129	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	123100	24.556	ug/l	96
43) Isopropyl Acetate	8.688	43	158018	20.504	ug/l #	92
44) Trichloroethene	9.353	130	79251	22.254	ug/l	98
45) 1,2-Dichloropropane	9.624	63	85965	23.439	ug/l	94
46) Dibromomethane	9.712	93	56486	22.556	ug/l	95
47) Bromodichloromethane	9.888	83	116844	21.877	ug/l	90
48) Methyl methacrylate	9.682	41	76453	22.649	ug/l #	81
49) 1,4-Dioxane	9.694	88	24591	412.282	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	491292	113.234	ug/l	88
52) Toluene	10.635	92	193738	22.771	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	117830	22.505	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	131309	23.009	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	78937	23.067	ug/l	95
56) Ethyl methacrylate	10.877	69	108705	22.270	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	140050	23.218	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	256759	103.781	ug/l	89
59) 2-Hexanone	11.200	43	355955	107.244	ug/l	88
60) Dibromochloromethane	11.365	129	81792	22.329	ug/l	98
61) 1,2-Dibromoethane	11.471	107	76018	22.132	ug/l	99
64) Tetrachloroethene	11.106	164	67454	23.873	ug/l	96
65) Chlorobenzene	11.894	112	201449	21.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	77919	22.853	ug/l	96
67) Ethyl Benzene	11.965	91	352085	21.354	ug/l	95
68) m/p-Xylenes	12.076	106	265782	43.273	ug/l	93
69) o-Xylene	12.400	106	127257	21.516	ug/l	93
70) Styrene	12.412	104	210885	22.187	ug/l	97
71) Bromoform	12.582	173	53322	22.024	ug/l #	100
73) Isopropylbenzene	12.700	105	318541	21.136	ug/l	99
74) N-amyl acetate	12.494	43	128982	19.607	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	113212	21.186	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	97982m	21.016	ug/l	
77) Bromobenzene	12.982	156	79077	21.431	ug/l	94
78) n-propylbenzene	13.035	91	378371	21.923	ug/l	98
79) 2-Chlorotoluene	13.129	91	239228	21.698	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	257266	21.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	35826	20.907	ug/l #	79
82) 4-Chlorotoluene	13.223	91	237078	21.639	ug/l	97
83) tert-Butylbenzene	13.441	119	206200	21.483	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	263812	22.867	ug/l	97
85) sec-Butylbenzene	13.618	105	290345	21.834	ug/l	100
86) p-Isopropyltoluene	13.729	119	231980	21.396	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	143055	20.841	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	144360	20.719	ug/l	99
89) n-Butylbenzene	14.059	91	191582	20.516	ug/l	99
90) Hexachloroethane	14.335	117	45425	21.156	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	140605	21.699	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18117	19.992	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	61446	19.943	ug/l	98
94) Hexachlorobutadiene	15.500	225	30078	21.534	ug/l	97
95) Naphthalene	15.641	128	172602	16.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	60325	19.974	ug/l	99

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

