

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112823\
 Data File : VN080292.D
 Acq On : 28 Nov 2023 13:05
 Operator : JC\MD
 Sample : VN1128WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

Quant Time: Nov 29 00:34:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	252509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	399312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199946	47.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.920%		
35) Dibromofluoromethane	8.171	113	153402	52.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.120%		
50) Toluene-d8	10.571	98	539079	50.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.520%		
62) 4-Bromofluorobenzene	12.847	95	194748	48.544	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	64071	17.034	ug/l	98
3) Chloromethane	2.365	50	49336	17.446	ug/l	98
4) Vinyl Chloride	2.518	62	53256	17.796	ug/l	97
5) Bromomethane	2.965	94	37691	18.552	ug/l	98
6) Chloroethane	3.124	64	35132	17.877	ug/l	94
7) Trichlorofluoromethane	3.500	101	111744	17.900	ug/l	95
8) Diethyl Ether	3.959	74	32379	17.834	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	51587	18.079	ug/l	95
10) Methyl Iodide	4.589	142	48918	15.863	ug/l #	85
11) Tert butyl alcohol	5.512	59	36732	80.114	ug/l	97
12) 1,1-Dichloroethene	4.347	96	47552	17.817	ug/l	87
13) Acrolein	4.183	56	30344	74.783	ug/l	100
14) Allyl chloride	5.030	41	63234	18.832	ug/l	97
15) Acrylonitrile	5.712	53	109942	89.322	ug/l	99
16) Acetone	4.424	43	99439	71.009	ug/l	98
17) Carbon Disulfide	4.712	76	123451	15.492	ug/l	99
18) Methyl Acetate	5.024	43	80804	17.959	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	171724	18.220	ug/l	98
20) Methylene Chloride	5.271	84	58523	19.956	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	53425	18.222	ug/l	88
22) Diisopropyl ether	6.671	45	144406	19.438	ug/l	97
23) Vinyl Acetate	6.600	43	387703	86.809	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	98837	18.267	ug/l	99
25) 2-Butanone	7.483	43	127705	76.755	ug/l	93
26) 2,2-Dichloropropane	7.494	77	95302	17.753	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	60497	18.199	ug/l	90
28) Bromochloromethane	7.812	49	41801	19.651	ug/l	99
29) Tetrahydrofuran	7.835	42	80296	89.891	ug/l	91
30) Chloroform	7.965	83	117621	19.449	ug/l	87
31) Cyclohexane	8.259	56	72003	15.880	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	111172	18.850	ug/l	95
36) 1,1-Dichloropropene	8.371	75	78123	18.314	ug/l	96
37) Ethyl Acetate	7.565	43	53326	18.022	ug/l	97
38) Carbon Tetrachloride	8.365	117	100070	18.486	ug/l	97
39) Methylcyclohexane	9.600	83	67372	16.380	ug/l	92
40) Benzene	8.606	78	226121	18.651	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29866	18.380	ug/l	91
42) 1,2-Dichloroethane	8.671	62	94975	19.148	ug/l	96
43) Isopropyl Acetate	8.688	43	86626	15.044	ug/l	97
44) Trichloroethene	9.347	130	58862	18.509	ug/l	100
45) 1,2-Dichloropropane	9.618	63	54265	19.260	ug/l	94
46) Dibromomethane	9.706	93	40472	18.976	ug/l	89
47) Bromodichloromethane	9.888	83	91486	19.500	ug/l	98
48) Methyl methacrylate	9.682	41	52186	17.587	ug/l	90
49) 1,4-Dioxane	9.694	88	16743	339.170	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	270964	90.896	ug/l	97
52) Toluene	10.629	92	146073	19.252	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	87608	18.175	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	94257	19.140	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	56386	19.471	ug/l	95
56) Ethyl methacrylate	10.876	69	54256	18.340	ug/l #	67
57) 1,3-Dichloropropane	11.165	76	97483	19.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	146740	88.044	ug/l	96
59) 2-Hexanone	11.194	43	195949	81.801	ug/l	97
60) Dibromochloromethane	11.359	129	67983	19.609	ug/l	98
61) 1,2-Dibromoethane	11.471	107	53514	18.114	ug/l	100
64) Tetrachloroethene	11.106	164	61924	22.435	ug/l	92
65) Chlorobenzene	11.894	112	151776	18.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	61662	19.389	ug/l	95
67) Ethyl Benzene	11.965	91	263842	18.092	ug/l	100
68) m/p-Xylenes	12.070	106	195880	36.840	ug/l	85
69) o-Xylene	12.400	106	94735	18.906	ug/l	87
70) Styrene	12.412	104	141813	19.014	ug/l	93
71) Bromoform	12.576	173	45530	19.305	ug/l #	100
73) Isopropylbenzene	12.694	105	248751	18.621	ug/l	97
74) N-amyl acetate	12.494	43	67233	16.139	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	69865	17.474	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	67932m	16.127	ug/l	
77) Bromobenzene	12.982	156	61120	18.147	ug/l	99
78) n-propylbenzene	13.035	91	275203	18.422	ug/l	98
79) 2-Chlorotoluene	13.129	91	183526	18.916	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	219941	18.913	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	21030	16.868	ug/l #	85
82) 4-Chlorotoluene	13.223	91	183922	18.504	ug/l	96
83) tert-Butylbenzene	13.441	119	167380	17.949	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	216069	18.869	ug/l	99
85) sec-Butylbenzene	13.617	105	218088	18.487	ug/l	100
86) p-Isopropyltoluene	13.729	119	194478	18.454	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	107258	17.676	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	109887	18.019	ug/l	97
89) n-Butylbenzene	14.059	91	153119	17.359	ug/l	98
90) Hexachloroethane	14.335	117	35320	17.192	ug/l	69
91) 1,2-Dichlorobenzene	14.106	146	107024	18.431	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13808	14.868	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	52121	15.433	ug/l	99
94) Hexachlorobutadiene	15.506	225	31590	16.254	ug/l	99
95) Naphthalene	15.641	128	128194	13.090	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	47846	15.114	ug/l	95

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

