

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080239.D
 Acq On : 22 Nov 2023 11:33
 Operator : JC\MD
 Sample : VN1122WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

Quant Time: Nov 23 00:16:13 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	229905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	364392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	331366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	183466	48.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.660%		
35) Dibromofluoromethane	8.171	113	132426	49.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.500%		
50) Toluene-d8	10.571	98	485019	50.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.853	95	178405	48.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	59554	17.390	ug/l	98
3) Chloromethane	2.359	50	39184	15.219	ug/l	98
4) Vinyl Chloride	2.512	62	45423	16.671	ug/l	100
5) Bromomethane	2.953	94	31220	16.878	ug/l	100
6) Chloroethane	3.124	64	31049	17.312	ug/l	93
7) Trichlorofluoromethane	3.500	101	103270	18.169	ug/l	98
8) Diethyl Ether	3.959	74	26883	16.263	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	45242	17.414	ug/l	94
10) Methyl Iodide	4.595	142	48765	17.369	ug/l #	88
11) Tert butyl alcohol	5.524	59	34544	82.749	ug/l	99
12) 1,1-Dichloroethene	4.342	96	41749	17.181	ug/l	87
13) Acrolein	4.183	56	31806	86.093	ug/l	95
14) Allyl chloride	5.024	41	48429	15.841	ug/l	91
15) Acrylonitrile	5.718	53	98177	87.606	ug/l	99
16) Acetone	4.430	43	93323	73.194	ug/l	92
17) Carbon Disulfide	4.712	76	110942	15.291	ug/l	97
18) Methyl Acetate	5.024	43	69885	17.059	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	147864	17.231	ug/l	100
20) Methylene Chloride	5.277	84	50368	18.864	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	44928	16.830	ug/l #	76
22) Diisopropyl ether	6.677	45	120915	17.876	ug/l	95
23) Vinyl Acetate	6.606	43	331765	81.587	ug/l	95
24) 1,1-Dichloroethane	6.571	63	83953	17.041	ug/l	95
25) 2-Butanone	7.483	43	116971	77.215	ug/l	95
26) 2,2-Dichloropropane	7.488	77	88457	18.098	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	53709	17.746	ug/l	89
28) Bromochloromethane	7.812	49	37037	19.123	ug/l	96
29) Tetrahydrofuran	7.841	42	72380	88.996	ug/l	94
30) Chloroform	7.965	83	103712	18.835	ug/l	99
31) Cyclohexane	8.259	56	67535	16.359	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	99333	18.498	ug/l	99
36) 1,1-Dichloropropene	8.377	75	69125	17.757	ug/l	95
37) Ethyl Acetate	7.559	43	45870	16.988	ug/l	99
38) Carbon Tetrachloride	8.365	117	91630	18.549	ug/l	94
39) Methylcyclohexane	9.606	83	61195	16.304	ug/l #	89
40) Benzene	8.612	78	196142	17.728	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	25522	17.212	ug/l	91
42) 1,2-Dichloroethane	8.671	62	84955	18.769	ug/l	96
43) Isopropyl Acetate	8.688	43	80390	15.299	ug/l	96
44) Trichloroethene	9.353	130	51735	17.827	ug/l	94
45) 1,2-Dichloropropane	9.624	63	46910	18.245	ug/l	97
46) Dibromomethane	9.712	93	35108	18.039	ug/l #	89
47) Bromodichloromethane	9.888	83	81051	18.932	ug/l	96
48) Methyl methacrylate	9.682	41	47897	17.688	ug/l	92
49) 1,4-Dioxane	9.700	88	16032	355.890	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	244935	90.038	ug/l	98
52) Toluene	10.629	92	128618	18.576	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	76278	17.341	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	80966	18.017	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	51099	19.336	ug/l	90
56) Ethyl methacrylate	10.876	69	47983	17.774	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	84052	18.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	143827	94.566	ug/l	99
59) 2-Hexanone	11.200	43	186909	85.505	ug/l	95
60) Dibromochloromethane	11.359	129	60358	19.078	ug/l	100
61) 1,2-Dibromoethane	11.471	107	49396	18.322	ug/l	97
64) Tetrachloroethene	11.106	164	50887	20.122	ug/l	95
65) Chlorobenzene	11.894	112	133948	17.839	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	56049	19.236	ug/l	93
67) Ethyl Benzene	11.965	91	239455	17.922	ug/l	94
68) m/p-Xylenes	12.070	106	176925	36.318	ug/l	86
69) o-Xylene	12.400	106	85285	18.577	ug/l	89
70) Styrene	12.418	104	129849	19.003	ug/l	94
71) Bromoform	12.582	173	40858	18.909	ug/l #	99
73) Isopropylbenzene	12.700	105	225183	17.588	ug/l	98
74) N-amyl acetate	12.500	43	63388	15.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	64857	16.925	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	65509m	16.227	ug/l	
77) Bromobenzene	12.982	156	57243	17.733	ug/l	97
78) n-propylbenzene	13.041	91	253024	17.673	ug/l	99
79) 2-Chlorotoluene	13.129	91	166072	17.859	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	200931	18.028	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	20227	16.928	ug/l #	75
82) 4-Chlorotoluene	13.223	91	172323	18.089	ug/l	96
83) tert-Butylbenzene	13.441	119	161047	18.019	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	198752	18.110	ug/l	97
85) sec-Butylbenzene	13.617	105	202807	17.937	ug/l	98
86) p-Isopropyltoluene	13.729	119	182834	18.102	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	99320	17.077	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	100609	17.214	ug/l	98
89) n-Butylbenzene	14.059	91	142392	16.843	ug/l	97
90) Hexachloroethane	14.335	117	35130	17.841	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	96930	17.416	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14755	16.577	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	48742	15.058	ug/l	98
94) Hexachlorobutadiene	15.506	225	30065	16.140	ug/l	98
95) Naphthalene	15.641	128	129184	13.763	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	46861	15.445	ug/l	97

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

