

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079401.D
 Acq On : 04 Oct 2023 14:11
 Operator : JC\MD
 Sample : VN1004WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 02:20:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	156792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	250513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121675	57.488	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.980%			
35) Dibromofluoromethane	8.171	113	96176	52.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.600%			
50) Toluene-d8	10.571	98	333039	49.319	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.640%			
62) 4-Bromofluorobenzene	12.853	95	108996	50.602	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	27430	17.681	ug/l	96
3) Chloromethane	2.365	50	37122	18.228	ug/l	98
4) Vinyl Chloride	2.518	62	42732	19.257	ug/l	95
5) Bromomethane	2.948	94	26798	21.010	ug/l	98
6) Chloroethane	3.118	64	30500	20.923	ug/l	100
7) Trichlorofluoromethane	3.495	101	56690	17.446	ug/l	92
8) Diethyl Ether	3.965	74	22719	20.144	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.365	101	33100	19.154	ug/l	99
10) Methyl Iodide	4.589	142	32647	23.095	ug/l	97
11) Tert butyl alcohol	5.524	59	34860	89.211	ug/l #	89
12) 1,1-Dichloroethene	4.336	96	28546	17.070	ug/l	84
13) Acrolein	4.183	56	39394	105.687	ug/l	100
14) Allyl chloride	5.024	41	48318	18.113	ug/l #	90
15) Acrylonitrile	5.724	53	105408	104.032	ug/l	97
16) Acetone	4.436	43	103992	115.687	ug/l	94
17) Carbon Disulfide	4.706	76	66483	12.720	ug/l	97
18) Methyl Acetate	5.030	43	87707	23.740	ug/l #	83
19) Methyl tert-butyl Ether	5.795	73	116068	20.238	ug/l	97
20) Methylene Chloride	5.277	84	42336	19.354	ug/l #	85
21) trans-1,2-Dichloroethene	5.795	96	34750	17.913	ug/l	89
22) Diisopropyl ether	6.671	45	132964	22.717	ug/l #	87
23) Vinyl Acetate	6.612	43	371185	103.103	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	75311	20.872	ug/l	97
25) 2-Butanone	7.489	43	145865	111.838	ug/l #	78
26) 2,2-Dichloropropane	7.494	77	59720	20.169	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	42671	19.237	ug/l	85
28) Bromochloromethane	7.818	49	32687	20.036	ug/l #	74
29) Tetrahydrofuran	7.847	42	91393	110.113	ug/l #	75
30) Chloroform	7.971	83	80132	21.330	ug/l	99
31) Cyclohexane	8.259	56	52988	17.146	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	65763	20.536	ug/l	96
36) 1,1-Dichloropropene	8.377	75	50709	17.889	ug/l	95
37) Ethyl Acetate	7.571	43	58203	20.585	ug/l #	91
38) Carbon Tetrachloride	8.371	117	54742	18.661	ug/l	100
39) Methylcyclohexane	9.606	83	43939	15.714	ug/l #	86
40) Benzene	8.612	78	163690	18.863	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	30810	21.612	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	62934	21.066	ug/l	98
43) Isopropyl Acetate	8.694	43	97293	21.089	ug/l #	89
44) Trichloroethene	9.359	130	37819	17.692	ug/l	98
45) 1,2-Dichloropropane	9.630	63	47143	21.890	ug/l	99
46) Dibromomethane	9.718	93	30092	20.583	ug/l	95
47) Bromodichloromethane	9.894	83	63243	21.120	ug/l #	94
48) Methyl methacrylate	9.683	41	43449	21.026	ug/l #	79
49) 1,4-Dioxane	9.700	88	16212	381.431	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	301831	112.705	ug/l	87
52) Toluene	10.635	92	102179	19.160	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	59562	18.864	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	66631	19.730	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	43598	20.835	ug/l	94
56) Ethyl methacrylate	10.882	69	56540	19.141	ug/l #	78
57) 1,3-Dichloropropane	11.165	76	73599	20.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	108321	93.679	ug/l #	88
59) 2-Hexanone	11.200	43	214105	110.381	ug/l	86
60) Dibromochloromethane	11.365	129	44543	20.001	ug/l	97
61) 1,2-Dibromoethane	11.471	107	40645	19.463	ug/l	97
64) Tetrachloroethene	11.106	164	31255	17.110	ug/l	94
65) Chlorobenzene	11.894	112	103574	18.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40405	18.987	ug/l	99
67) Ethyl Benzene	11.971	91	177934	18.330	ug/l	98
68) m/p-Xylenes	12.077	106	133183	36.809	ug/l	92
69) o-Xylene	12.406	106	65653	18.920	ug/l	96
70) Styrene	12.418	104	107817	19.319	ug/l	98
71) Bromoform	12.582	173	29326	18.667	ug/l #	100
73) Isopropylbenzene	12.700	105	163710	17.396	ug/l	100
74) N-amyl acetate	12.500	43	68011	19.049	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	65775	18.770	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	50064m	17.959	ug/l	
77) Bromobenzene	12.982	156	40195	16.868	ug/l	93
78) n-propylbenzene	13.041	91	199014	18.826	ug/l	97
79) 2-Chlorotoluene	13.129	91	121862	17.625	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	142613	18.187	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	17257	17.019	ug/l #	85
82) 4-Chlorotoluene	13.229	91	115176	17.728	ug/l	99
83) tert-Butylbenzene	13.441	119	111117	17.130	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	141555	18.956	ug/l	99
85) sec-Butylbenzene	13.623	105	162427	18.188	ug/l	98
86) p-Isopropyltoluene	13.735	119	122999	17.240	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	68050	17.412	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	66944	16.951	ug/l	98
89) n-Butylbenzene	14.059	91	97236	17.331	ug/l	96
90) Hexachloroethane	14.335	117	26819	18.510	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	67185	17.413	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10141	19.037	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	19018	13.717	ug/l	95
94) Hexachlorobutadiene	15.506	225	17916	16.426	ug/l	98
95) Naphthalene	15.647	128	46882	11.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	22268	13.615	ug/l	99

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

