

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080599.D
 Acq On : 27 Dec 2023 13:47
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/28/2023
 Supervised By :Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 02:50:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 02:45:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	460893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	669465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	593889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230340	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.124	85	5435	1.062	ug/l	87
3) Chloromethane	2.359	50	13327	1.414	ug/l #	85
4) Vinyl Chloride	2.506	62	5809	1.020	ug/l	93
6) Chloroethane	3.118	64	4132	1.162	ug/l	99
7) Trichlorofluoromethane	3.495	101	8765	1.077	ug/l	94
8) Diethyl Ether	3.959	74	2403	0.860	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.365	101	4596	1.035	ug/l	94
12) 1,1-Dichloroethene	4.342	96	4126	0.969	ug/l #	77
14) Allyl chloride	5.036	41	7736	1.196	ug/l #	86
15) Acrylonitrile	5.730	53	10641	4.691	ug/l	98
16) Acetone	4.436	43	7753	4.824	ug/l	99
17) Carbon Disulfide	4.712	76	13497	1.178	ug/l #	92
18) Methyl Acetate	5.036	43	9511	1.067	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	12882	0.840	ug/l #	89
20) Methylene Chloride	5.271	84	5931	1.157	ug/l #	85
21) trans-1,2-Dichloroethene	5.783	96	5194	1.009	ug/l	91
22) Diisopropyl ether	6.677	45	14630	1.019	ug/l #	87
23) Vinyl Acetate	6.606	43	39437m	4.881	ug/l	
24) 1,1-Dichloroethane	6.559	63	9821	1.020	ug/l	98
25) 2-Butanone	7.483	43	15001	4.994	ug/l #	76
26) 2,2-Dichloropropane	7.483	77	8479	1.012	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	6151	1.005	ug/l	86
28) Bromochloromethane	7.818	49	3481	0.778	ug/l #	91
29) Tetrahydrofuran	7.841	42	7499	3.828	ug/l #	86
30) Chloroform	7.971	83	9892	1.023	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	9171	1.052	ug/l #	49
36) 1,1-Dichloropropene	8.371	75	7378	1.107	ug/l	98
37) Ethyl Acetate	7.559	43	6305	1.254	ug/l #	78
38) Carbon Tetrachloride	8.359	117	7662	1.124	ug/l	93
39) Methylcyclohexane	9.600	83	5302	0.970	ug/l	93
40) Benzene	8.606	78	18562	1.320	ug/l #	88
41) Methacrylonitrile	7.777	41	2621	0.845	ug/l #	82
42) 1,2-Dichloroethane	8.677	62	6872	1.113	ug/l	90
43) Isopropyl Acetate	8.694	43	8198	1.006	ug/l #	93
44) Trichloroethene	9.353	130	5390	1.084	ug/l	100
45) 1,2-Dichloropropane	9.624	63	4719	1.042	ug/l #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080599.D
 Acq On : 27 Dec 2023 13:47
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 02:50:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 02:45:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.712	93	3210	1.053	ug/l #	84
47) Bromodichloromethane	9.888	83	7679	1.202	ug/l #	84
48) Methyl methacrylate	9.682	41	4569	1.010	ug/l #	78
49) 1,4-Dioxane	9.700	88	1371	18.955	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	22188	4.787	ug/l	88
52) Toluene	10.641	92	9829	0.928	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	6538	1.015	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	7093	0.984	ug/l #	78
55) 1,1,2-Trichloroethane	11.018	97	4202	1.000	ug/l #	89
56) Ethyl methacrylate	10.871	69	3221	0.782	ug/l #	51
57) 1,3-Dichloropropane	11.165	76	7236	1.016	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	13869	4.771	ug/l	99
59) 2-Hexanone	11.194	43	17356	4.968	ug/l	84
60) Dibromochloromethane	11.365	129	4990	1.066	ug/l	100
61) 1,2-Dibromoethane	11.470	107	4534	1.070	ug/l	100
64) Tetrachloroethene	11.100	164	4134	1.042	ug/l #	78
65) Chlorobenzene	11.894	112	12746	1.032	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.965	131	4932	1.038	ug/l #	63
67) Ethyl Benzene	11.965	91	18470	0.894	ug/l	98
68) m/p-Xylenes	12.070	106	13083	1.707	ug/l	95
69) o-Xylene	12.400	106	6538	0.869	ug/l	96
70) Styrene	12.418	104	8546	0.781	ug/l	94
71) Bromoform	12.582	173	3267	0.972	ug/l #	97
73) Isopropylbenzene	12.700	105	13972	0.886	ug/l	97
74) N-amyl acetate	12.494	43	4678	0.841	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	6134	1.127	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	5423m	1.095	ug/l	
77) Bromobenzene	12.982	156	4424	1.057	ug/l	93
78) n-propylbenzene	13.041	91	15640	0.868	ug/l	93
79) 2-Chlorotoluene	13.129	91	11122	0.945	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	11252	0.845	ug/l	99
82) 4-Chlorotoluene	13.223	91	11159	0.927	ug/l	96
83) tert-Butylbenzene	13.435	119	9316	0.837	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	9883	0.733	ug/l	99
85) sec-Butylbenzene	13.617	105	11826	0.803	ug/l	99
86) p-Isopropyltoluene	13.735	119	9261	1.149	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	7498	0.994	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	8074m	1.064	ug/l	
89) n-Butylbenzene	14.059	91	9061	0.823	ug/l	97
90) Hexachloroethane	14.341	117	2487	1.082	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	7255	0.996	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1370	1.220	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	3559	0.926	ug/l	94
94) Hexachlorobutadiene	15.506	225	2337	1.178	ug/l	97
95) Naphthalene	15.647	128	10772	0.901	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	3996	1.029	ug/l	89

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

