

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080134.D
 Acq On : 16 Nov 2023 13:33
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 17 01:09:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 00:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	240544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	391629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	336757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145267	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	2.130	85	3741	1.044	ug/l	87
3) Chloromethane	2.359	50	2968	1.102	ug/l #	84
4) Vinyl Chloride	2.512	62	2705	0.949	ug/l #	67
6) Chloroethane	3.124	64	3285	0.675	ug/l	92
7) Trichlorofluoromethane	3.495	101	6302	1.060	ug/l	89
8) Diethyl Ether	3.965	74	1920	1.110	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	2866	1.054	ug/l	93
12) 1,1-Dichloroethene	4.342	96	2482	0.976	ug/l #	69
14) Allyl chloride	5.030	41	2736	0.855	ug/l	92
15) Acrylonitrile	5.730	53	5766	4.918	ug/l	97
16) Acetone	4.447	43	8239	6.176	ug/l #	82
17) Carbon Disulfide	4.718	76	8997	1.185	ug/l	96
18) Methyl Acetate	5.036	43	5217	1.217	ug/l #	67
19) Methyl tert-butyl Ether	5.794	73	8787	0.979	ug/l	96
20) Methylene Chloride	5.289	84	2074	0.742	ug/l #	87
21) trans-1,2-Dichloroethene	5.794	96	2892	1.035	ug/l	93
22) Diisopropyl ether	6.677	45	6444	0.911	ug/l #	77
23) Vinyl Acetate	6.612	43	17666	4.153	ug/l	99
24) 1,1-Dichloroethane	6.571	63	5583	1.083	ug/l #	84
25) 2-Butanone	7.488	43	8695	5.486	ug/l	89
26) 2,2-Dichloropropane	7.500	77	5215	1.020	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	3135	0.990	ug/l	79
28) Bromochloromethane	7.812	49	1868	0.922	ug/l #	99
29) Tetrahydrofuran	7.847	42	3529	4.147	ug/l	99
30) Chloroform	7.977	83	6050	1.050	ug/l #	74
32) 1,1,1-Trichloroethane	8.171	97	5560	0.990	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	4324	1.034	ug/l #	88
37) Ethyl Acetate	7.565	43	2761	0.951	ug/l #	70
38) Carbon Tetrachloride	8.353	117	5532	1.042	ug/l #	65
39) Methylcyclohexane	9.606	83	3690	0.915	ug/l #	77
40) Benzene	8.612	78	12191	1.025	ug/l	92
41) Methacrylonitrile	7.788	41	1610	1.010	ug/l #	72
42) 1,2-Dichloroethane	8.677	62	4835	0.994	ug/l	81
43) Isopropyl Acetate	8.700	43	6837	1.211	ug/l #	81
44) Trichloroethene	9.359	130	3446	1.105	ug/l	94
45) 1,2-Dichloropropane	9.618	63	2605	0.943	ug/l #	73

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080134.D
 Acq On : 16 Nov 2023 13:33
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 17 01:09:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 00:59:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.712	93	2108	1.008	ug/l	92
47) Bromodichloromethane	9.888	83	4555	0.990	ug/l	99
48) Methyl methacrylate	9.688	41	2692	0.925	ug/l	94
49) 1,4-Dioxane	9.694	88	1062	21.935	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	13321	4.556	ug/l	95
52) Toluene	10.635	92	7443	1.000	ug/l	85
53) t-1,3-Dichloropropene	10.835	75	4445	0.940	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	4440	0.919	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	2993	1.054	ug/l #	84
56) Ethyl methacrylate	10.876	69	2314	0.798	ug/l #	79
57) 1,3-Dichloropropane	11.165	76	5192	1.047	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	6797	4.158	ug/l	99
59) 2-Hexanone	11.200	43	11342	4.828	ug/l	90
60) Dibromochloromethane	11.359	129	3291	0.968	ug/l	93
61) 1,2-Dibromoethane	11.471	107	3010	1.039	ug/l	90
64) Tetrachloroethene	11.112	164	2848	1.108	ug/l #	72
65) Chlorobenzene	11.894	112	7905	1.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2707	0.914	ug/l #	53
67) Ethyl Benzene	11.970	91	13144	0.968	ug/l #	80
68) m/p-Xylenes	12.076	106	9033	1.825	ug/l	86
69) o-Xylene	12.400	106	4119	0.883	ug/l	78
70) Styrene	12.412	104	6175	0.889	ug/l #	87
71) Bromoform	12.576	173	2169	0.988	ug/l #	97
73) Isopropylbenzene	12.700	105	10255	0.908	ug/l	99
74) N-amyl acetate	12.500	43	3139	0.892	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.947	83	3735	1.106	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	4503m	1.271	ug/l	
77) Bromobenzene	12.988	156	2873	1.009	ug/l	89
78) n-propylbenzene	13.041	91	11583	0.918	ug/l	97
79) 2-Chlorotoluene	13.123	91	7558	0.922	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	9266	0.943	ug/l	88
82) 4-Chlorotoluene	13.223	91	8033	0.956	ug/l	93
83) tert-Butylbenzene	13.441	119	7566	0.960	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	8765	0.906	ug/l	99
85) sec-Butylbenzene	13.623	105	8852	0.888	ug/l	91
86) p-Isopropyltoluene	13.735	119	7709	0.866	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	5947	1.160	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	5769m	1.120	ug/l	
89) n-Butylbenzene	14.059	91	7000	0.939	ug/l	93
90) Hexachloroethane	14.341	117	1929	1.111	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	5462	1.113	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	952	1.213	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	3607	1.264	ug/l	92
94) Hexachlorobutadiene	15.506	225	2249	1.369	ug/l	95
95) Naphthalene	15.647	128	10462	1.264	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	3257	1.218	ug/l	92

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

Reviewed By :John Carlone 11/17/2023
Supervised By :Mahesh Dadoda 11/17/2023

[illegible]