

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069494.D
 Acq On : 15 Nov 2021 16:32
 Operator : JC/MD
 Sample : M4068-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021

Quant Time: Nov 16 02:50:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 02:35:15 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/16/2021
 Supervised By : Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	971235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1673614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1506195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	537479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	762631	54.155	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.300%	
35) Dibromofluoromethane	8.021	113	511347	50.943	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.880%	
50) Toluene-d8	10.440	98	2023361	51.253	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.500%	
62) 4-Bromofluorobenzene	12.731	95	645805	44.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.060%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.073	85	40826	3.935	ug/l	98
3) Chloromethane	2.303	50	51644	4.292	ug/l	97
4) Vinyl Chloride	2.446	62	51988	4.315	ug/l	96
5) Bromomethane	2.842	94	33013	4.219	ug/l	99
6) Chloroethane	3.014	64	34341	4.223	ug/l #	86
7) Trichlorofluoromethane	3.376	101	77167	4.144	ug/l	98
8) Diethyl Ether	3.824	74	26695	4.431	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.205	101	38038	4.336	ug/l	92
10) Methyl Iodide	4.417	142	43912	4.081	ug/l	94
11) Tert butyl alcohol	5.382	59	47262	18.625	ug/l #	85
12) 1,1-Dichloroethene	4.175	96	34100	4.332	ug/l	98
13) Acrolein	4.047	56	13546m	33.978	ug/l	
14) Allyl chloride	4.835	41	69524	3.995	ug/l	97
15) Acrylonitrile	5.562	53	140169	21.570	ug/l	96
16) Acetone	4.293	43	157325	20.706	ug/l	100
17) Carbon Disulfide	4.524	76	68310	3.671	ug/l	99
18) Methyl Acetate	4.859	43	108993	4.413	ug/l	94
19) Methyl tert-butyl Ether	5.621	73	141801	4.256	ug/l	97
20) Methylene Chloride	5.095	84	48314	4.484	ug/l #	86
21) trans-1,2-Dichloroethene	5.594	96	37658	4.283	ug/l	86
22) Diisopropyl ether	6.498	45	151412	4.039	ug/l	97
23) Vinyl Acetate	6.434	43	489333	16.876	ug/l #	92
24) 1,1-Dichloroethane	6.388	63	81360	4.261	ug/l	99
25) 2-Butanone	7.340	43	216804	21.073	ug/l	91
26) 2,2-Dichloropropane	7.321	77	59013	3.950	ug/l #	73
27) cis-1,2-Dichloroethene	7.327	96	47491	4.357	ug/l	87
28) Bromochloromethane	7.659	49	54059	5.528	ug/l #	79
29) Tetrahydrofuran	7.691	42	133341	21.119	ug/l	91
30) Chloroform	7.818	83	85066	4.345	ug/l	96
31) Cyclohexane	8.094	56	100557	5.227	ug/l #	84
32) 1,1,1-Trichloroethane	8.013	97	67774	4.148	ug/l	92
36) 1,1-Dichloropropene	8.220	75	58585	4.160	ug/l	98
37) Ethyl Acetate	7.418	43	85613	4.497	ug/l #	91
38) Carbon Tetrachloride	8.206	117	54180	3.985	ug/l	98
39) Methylcyclohexane	9.459	83	68999	3.939	ug/l	89
40) Benzene	8.461	78	187831	4.321	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069494.D
 Acq On : 15 Nov 2021 16:32
 Operator : JC/MD
 Sample : M4068-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021

Quant Time: Nov 16 02:50:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 02:35:15 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/16/2021
 Supervised By :Mahesh Dadoda 11/18/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.641	41	37777	3.841	ug/l	93
42) 1,2-Dichloroethane	8.531	62	75389	4.429	ug/l	97
43) Isopropyl Acetate	8.560	43	125871	4.117	ug/l #	93
44) Trichloroethene	9.215	130	44017	4.231	ug/l	93
45) 1,2-Dichloropropane	9.491	63	49688	4.279	ug/l	96
46) Dibromomethane	9.580	93	32800	4.217	ug/l	91
47) Bromodichloromethane	9.762	83	54825	3.777	ug/l	96
48) Methyl methacrylate	9.558	41	55967	3.890	ug/l	93
49) 1,4-Dioxane	9.574	88	20167	78.602	ug/l	89
51) 4-Methyl-2-Pentanone	10.331	43	415098	21.032	ug/l	95
52) Toluene	10.505	92	117580	4.342	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	51557	3.399	ug/l	96
54) cis-1,3-Dichloropropene	10.188	75	59365	3.586	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	46971	4.303	ug/l	95
56) Ethyl methacrylate	10.762	69	71179	3.938	ug/l	88
57) 1,3-Dichloropropane	11.044	76	81601	4.254	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.041	63	80070	19.120	ug/l	92
59) 2-Hexanone	11.087	43	288027	19.582	ug/l	91
60) Dibromochloromethane	11.237	129	36376	3.561	ug/l	96
61) 1,2-Dibromoethane	11.344	107	45492	4.116	ug/l	98
64) Tetrachloroethene	10.977	164	42115	4.631	ug/l	93
65) Chlorobenzene	11.771	112	120945	4.314	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.840	131	38720	3.982	ug/l	96
67) Ethyl Benzene	11.846	91	211504	4.090	ug/l	96
68) m/p-Xylenes	11.953	106	155123	8.157	ug/l	98
69) o-Xylene	12.280	106	77244	4.074	ug/l	96
70) Styrene	12.296	104	112354	3.689	ug/l	93
71) Bromoform	12.457	173	22213	3.201	ug/l #	97
73) Isopropylbenzene	12.578	105	191932	4.485	ug/l	99
74) N-amyl acetate	12.390	43	70462	3.885	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	68769	4.765	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	63029m	5.081	ug/l	
77) Bromobenzene	12.860	156	45927	4.693	ug/l	79
78) n-propylbenzene	12.921	91	208224	4.324	ug/l	97
79) 2-Chlorotoluene	13.007	91	132026	4.428	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	150701	4.356	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.626	75	11476m	3.105	ug/l	
82) 4-Chlorotoluene	13.106	91	122492	4.310	ug/l	94
83) tert-Butylbenzene	13.324	119	138373	4.564	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	141018	4.222	ug/l	97
85) sec-Butylbenzene	13.503	105	175490	4.144	ug/l	97
86) p-Isopropyltoluene	13.616	119	133904	3.983	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	71306	4.202	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	70589	4.241	ug/l	90
89) n-Butylbenzene	13.943	91	101370	3.616	ug/l	96
90) Hexachloroethane	14.209	117	19866	3.604	ug/l	80
91) 1,2-Dichlorobenzene	13.989	146	72986	4.520	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.606	75	8688	3.725	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	21918	3.081	ug/l	96
94) Hexachlorobutadiene	15.370	225	17688	4.216	ug/l	97
95) Naphthalene	15.507	128	52330	2.743	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	21020	3.085	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069494.D
 Acq On : 15 Nov 2021 16:32
 Operator : JC/MD
 Sample : M4068-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 LOQ-WATER-02-QT4-2021

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/16/2021
 Supervised By :Mahesh Dadoda 11/18/2021

Quant Time: Nov 16 02:50:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 02:35:15 2021
 Response via : Initial Calibration

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

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

