

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058754.D
 Acq On : 14 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5111-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:10 AM

Quant Time: Oct 15 04:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	368856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	617125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	281783	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
35) Dibromofluoromethane	7.57	113	200509	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.08	98	743686	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.41	95	251908	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4812	1.047	ug/l	93
3) Chloromethane	2.04	50	6512	1.192	ug/l	97
4) Vinyl Chloride	2.17	62	6721	1.235	ug/l	98
5) Bromomethane	2.54	94	4341	1.312	ug/l	84
6) Chloroethane	2.69	64	4428	1.319	ug/l	100
7) Trichlorofluoromethane	3.00	101	7758	1.191	ug/l	99
8) Diethyl Ether	3.40	74	2480m	1.031	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3763	1.014	ug/l #	87
10) Methyl Iodide	3.93	142	4831	0.954	ug/l #	94
11) Tert butyl alcohol	4.77	59	5311m	6.351	ug/l	
12) 1,1-Dichloroethene	3.71	96	4082	1.152	ug/l	84
13) Acrolein	3.59	56	3281	4.878	ug/l	94
14) Allyl chloride	4.30	41	8146	1.140	ug/l #	89
15) Acrylonitrile	4.97	53	11651	5.524	ug/l	92
16) Acetone	3.80	43	11110	5.197	ug/l	94
17) Carbon Disulfide	4.03	76	13577	1.199	ug/l	100
18) Methyl Acetate	4.31	43	6500	1.199	ug/l #	87
19) Methyl tert-butyl Ether	5.02	73	12495	0.988	ug/l #	84
20) Methylene Chloride	4.52	84	5597m	1.253	ug/l	
21) trans-1,2-Dichloroethene	5.01	96	4326	1.092	ug/l #	74
22) Diisopropyl ether	5.93	45	13908	1.001	ug/l #	72
23) Vinyl Acetate	5.88	43	55953	4.989	ug/l	100
24) 1,1-Dichloroethane	5.82	63	9055	1.144	ug/l #	93
25) 2-Butanone	6.82	43	16975	5.494	ug/l	96
26) 2,2-Dichloropropane	6.81	77	7837	1.085	ug/l	92
27) cis-1,2-Dichloroethene	6.81	96	5743	1.243	ug/l	86
28) Bromochloromethane	7.17	49	3080m	1.118	ug/l	
29) Tetrahydrofuran	7.20	42	11114	5.566	ug/l	89
30) Chloroform	7.36	83	9840	1.237	ug/l	88
31) Cyclohexane	7.64	56	15460	2.041	ug/l #	52
32) 1,1,1-Trichloroethane	7.55	97	7491	1.104	ug/l #	45
36) 1,1-Dichloropropene	7.77	75	6442	1.032	ug/l	96
37) Ethyl Acetate	6.92	43	7355	1.166	ug/l #	92
38) Carbon Tetrachloride	7.76	117	6970	1.146	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058754.D
 Acq On : 14 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5111-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:10 AM

Quant Time: Oct 15 04:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	6759	0.934	ug/l	86
40) Benzene	8.03	78	19171	1.070	ug/l	98
41) Methacrylonitrile	7.16	41	2761	0.935	ug/l #	12
42) 1,2-Dichloroethane	8.11	62	7915	1.150	ug/l	95
43) Isopropyl Acetate	8.15	43	10296	0.958	ug/l #	91
44) Trichloroethene	8.82	130	4204	0.945	ug/l	96
45) 1,2-Dichloropropane	9.11	63	4687	0.977	ug/l #	79
46) Dibromomethane	9.20	93	3349	1.101	ug/l	94
47) Bromodichloromethane	9.40	83	5995	0.968	ug/l	98
48) Methyl methacrylate	9.19	41	5079	1.042	ug/l	98
49) 1,4-Dioxane	9.19	88	1578	20.933	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	29547	4.894	ug/l	99
52) Toluene	10.15	92	11136	1.016	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	5808	0.818	ug/l #	41
54) cis-1,3-Dichloropropene	9.83	75	7252	0.962	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	5081	1.133	ug/l	97
56) Ethyl methacrylate	10.43	69	5615	0.857	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	8220	1.075	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	12960	4.103	ug/l	98
59) 2-Hexanone	10.75	43	21666	4.644	ug/l	96
60) Dibromochloromethane	10.90	129	4549	0.983	ug/l	97
61) 1,2-Dibromoethane	11.01	107	4609	1.026	ug/l	97
64) Tetrachloroethene	10.63	164	5037	1.292	ug/l	84
65) Chlorobenzene	11.43	112	11758	1.039	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	4278	1.022	ug/l #	57
67) Ethyl Benzene	11.51	91	19896	0.986	ug/l	91
68) m/p-Xylenes	11.62	106	14346	1.895	ug/l	99
69) o-Xylene	11.95	106	6700	0.915	ug/l	94
70) Styrene	11.97	104	10236	0.853	ug/l	99
71) Bromoform	12.13	173	2862	0.933	ug/l #	100
73) Isopropylbenzene	12.25	105	18259	1.080	ug/l	97
74) N-amyl acetate	12.07	43	7475	0.984	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	6431	1.154	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	6235m	1.217	ug/l	
77) Bromobenzene	12.53	156	4414	1.073	ug/l	83
78) n-propylbenzene	12.59	91	20723	1.052	ug/l	99
79) 2-Chlorotoluene	12.68	91	13482	1.102	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	14114	0.978	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.31	75	2138m	1.118	ug/l	
82) 4-Chlorotoluene	12.78	91	13237	1.055	ug/l	100
83) tert-Butylbenzene	13.00	119	12722	1.029	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	13776	0.961	ug/l	100
85) sec-Butylbenzene	13.18	105	16093	0.988	ug/l	98
86) p-Isopropyltoluene	13.29	119	13123	0.886	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	8158	1.076	ug/l	94
88) 1,4-Dichlorobenzene	13.37	146	7906m	1.025	ug/l	
89) n-Butylbenzene	13.62	91	12075	0.882	ug/l	98
90) Hexachloroethane	13.88	117	2948	1.112	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	7929	1.073	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1864	1.432	ug/l #	57

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
Data File : VN058754.D
Acq On : 14 Oct 2019 17:17
Operator : JC/SP
Sample : K5111-08 1.0PPB L00
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:57:10 AM

Quant Time: Oct 15 04:00:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	3628	0.804	ug/l	95
94) Hexachlorobutadiene	15.01	225	2423	1.020	ug/l	97
95) Naphthalene	15.13	128	11398	0.879	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3959	0.899	ug/l	96

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

