

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056946.D
 Acq On : 26 Jul 2019 17:00
 Operator : JC/SP
 Sample : K3591-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:36 AM

Quant Time: Jul 27 01:33:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:19:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	567284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	849402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	695032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	315216	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	7.58	113	286176	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.08	98	1068857	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	288418	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	2218	0.387	ug/l	94
3) Chloromethane	2.05	50	4887	0.712	ug/l	99
4) Vinyl Chloride	2.18	62	3013	0.468	ug/l #	85
5) Bromomethane	2.56	94	4069	1.016	ug/l	86
6) Chloroethane	2.69	64	1818	0.512	ug/l	89
7) Trichlorofluoromethane	3.00	101	3683	0.437	ug/l	94
8) Diethyl Ether	3.40	74	1388	0.440	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2425m	0.464	ug/l	
10) Methyl Iodide	3.95	142	2046	0.293	ug/l #	68
11) Tert butyl alcohol	4.74	59	4935m	6.287	ug/l	
12) 1,1-Dichloroethene	3.73	96	2422	0.486	ug/l #	88
13) Acrolein	3.60	56	1392m	3.260	ug/l	
14) Allyl chloride	4.30	41	3565	0.440	ug/l #	75
15) Acrylonitrile	4.99	53	4482	1.947	ug/l	93
16) Acetone	3.82	43	5517	2.622	ug/l	94
17) Carbon Disulfide	4.04	76	8717	0.658	ug/l	96
18) Methyl Acetate	4.32	43	4971	0.741	ug/l #	77
19) Methyl tert-butyl Ether	5.03	73	6824	0.459	ug/l	98
20) Methylene Chloride	4.53	84	3311	0.546	ug/l #	95
21) trans-1,2-Dichloroethene	5.02	96	2931	0.553	ug/l #	82
22) Diisopropyl ether	5.94	45	7431	0.445	ug/l #	83
23) Vinyl Acetate	5.88	43	23782	2.054	ug/l	98
24) 1,1-Dichloroethane	5.83	63	4594	0.466	ug/l #	84
25) 2-Butanone	6.82	43	6981	2.340	ug/l #	89
26) 2,2-Dichloropropane	6.81	77	4376	0.584	ug/l #	58
27) cis-1,2-Dichloroethene	6.82	96	3111	0.497	ug/l	85
28) Bromochloromethane	7.18	49	2113	0.456	ug/l #	94
29) Tetrahydrofuran	7.20	42	4696	2.413	ug/l #	73
30) Chloroform	7.36	83	6404	0.635	ug/l	95
31) Cyclohexane	7.65	56	12533	1.313	ug/l #	1
32) 1,1,1-Trichloroethane	7.56	97	3676	0.457	ug/l #	46
36) 1,1-Dichloropropene	7.78	75	3749	0.502	ug/l	87
37) Ethyl Acetate	6.93	43	3543	0.592	ug/l #	68
38) Carbon Tetrachloride	7.77	117	3037	0.430	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056946.D
 Acq On : 26 Jul 2019 17:00
 Operator : JC/SP
 Sample : K3591-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:36 AM

Quant Time: Jul 27 01:33:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:19:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	4293	0.449	ug/l	87
40) Benzene	8.03	78	10684	0.464	ug/l	96
41) Methacrylonitrile	7.17	41	1080	0.390	ug/l #	67
42) 1,2-Dichloroethane	8.11	62	3953	0.548	ug/l	99
43) Isopropyl Acetate	8.16	43	4291	0.434	ug/l #	89
44) Trichloroethene	8.83	130	3221	0.508	ug/l	93
45) 1,2-Dichloropropane	9.10	63	2828	0.459	ug/l	93
46) Dibromomethane	9.20	93	1779	0.479	ug/l	96
47) Bromodichloromethane	9.39	83	3397	0.465	ug/l #	77
48) Methyl methacrylate	9.20	41	2170	0.454	ug/l #	22
49) 1,4-Dioxane	9.19	88	691	7.019	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	12732	2.166	ug/l	95
52) Toluene	10.15	92	6944	0.502	ug/l	90
53) t-1,3-Dichloropropene	10.38	75	2965	0.391	ug/l #	83
54) cis-1,3-Dichloropropene	9.83	75	3858	0.438	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	2390	0.431	ug/l	89
56) Ethyl methacrylate	10.42	69	3269	0.439	ug/l	98
57) 1,3-Dichloropropane	10.70	76	4088	0.444	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	6950	2.091	ug/l	93
59) 2-Hexanone	10.75	43	8729	2.132	ug/l	85
60) Dibromochloromethane	10.89	129	1977	0.348	ug/l	90
61) 1,2-Dibromoethane	11.00	107	2512	0.464	ug/l	99
64) Tetrachloroethene	10.62	164	3239	0.541	ug/l	90
65) Chlorobenzene	11.43	112	7146	0.504	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	2430	0.456	ug/l #	63
67) Ethyl Benzene	11.51	91	11762	0.480	ug/l	92
68) m/p-Xylenes	11.61	106	7875	0.872	ug/l	98
69) o-Xylene	11.94	106	3815	0.432	ug/l	95
70) Styrene	11.96	104	5763	0.409	ug/l	94
71) Bromoform	12.13	173	1463	0.393	ug/l #	98
73) Isopropylbenzene	12.24	105	10509	0.582	ug/l	96
74) N-amyl acetate	12.07	43	2640	0.503	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	2963	0.563	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	2335m	0.550	ug/l	
77) Bromobenzene	12.52	156	2771	0.588	ug/l	92
78) n-propylbenzene	12.59	91	11281	0.585	ug/l	98
79) 2-Chlorotoluene	12.67	91	6895	0.580	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	8692	0.586	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	514m	0.389	ug/l	
82) 4-Chlorotoluene	12.77	91	6689	0.602	ug/l	93
83) tert-Butylbenzene	12.99	119	7928	0.604	ug/l	93
84) 1,2,4-Trimethylbenzene	13.03	105	8284	0.581	ug/l	96
85) sec-Butylbenzene	13.17	105	9207	0.544	ug/l	98
86) p-Isopropyltoluene	13.28	119	7879	0.524	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4409	0.615	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	4881m	0.707	ug/l	
89) n-Butylbenzene	13.61	91	6236	0.538	ug/l	96
90) Hexachloroethane	13.87	117	1220	0.471	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	4827	0.684	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.26	75	195	0.271	ug/l #	23

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
Data File : VN056946.D
Acq On : 26 Jul 2019 17:00
Operator : JC/SP
Sample : K3591-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:36 AM

Quant Time: Jul 27 01:33:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:19:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2496	0.815	ug/l	95
94) Hexachlorobutadiene	15.00	225	1866	0.635	ug/l	94
95) Naphthalene	15.12	128	6135	0.874	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	3232	1.009	ug/l	93

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

