

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056929.D
 Acq On : 25 Jul 2019 19:18
 Operator : JC/SP
 Sample : K3591-07 0.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:22 PM

Quant Time: Jul 26 05:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	550713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240870	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.58	113	213971	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	786097	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	202353	38.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	2049	0.435	ug/l	99
3) Chloromethane	2.05	50	3508	0.623	ug/l	91
4) Vinyl Chloride	2.18	62	2851	0.538	ug/l	96
5) Bromomethane	2.55	94	4041	1.260	ug/l	89
6) Chloroethane	2.69	64	1458	0.495	ug/l #	44
7) Trichlorofluoromethane	3.00	101	3678	0.532	ug/l	92
8) Diethyl Ether	3.40	74	1205	0.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2678	0.631	ug/l #	50
10) Methyl Iodide	3.94	142	2888m	0.463	ug/l	
11) Tert butyl alcohol	4.73	59	6353m	9.740	ug/l	
12) 1,1-Dichloroethene	3.72	96	2243	0.547	ug/l	82
13) Acrolein	3.60	56	931	2.547	ug/l #	68
14) Allyl chloride	4.31	41	3367	0.506	ug/l #	74
15) Acrylonitrile	4.99	53	4437	2.364	ug/l #	71
16) Acetone	3.81	43	4535	2.937	ug/l	100
17) Carbon Disulfide	4.04	76	6510	0.589	ug/l	99
18) Methyl Acetate	4.31	43	3972m	0.735	ug/l	
19) Methyl tert-butyl Ether	5.03	73	6094m	0.505	ug/l	
20) Methylene Chloride	4.53	84	3581m	0.732	ug/l	
21) trans-1,2-Dichloroethene	5.02	96	2328	0.531	ug/l #	76
22) Diisopropyl ether	5.94	45	6786	0.501	ug/l	95
23) Vinyl Acetate	5.88	43	17004	1.822	ug/l	97
24) 1,1-Dichloroethane	5.83	63	3926m	0.493	ug/l	
25) 2-Butanone	6.83	43	5935	2.497	ug/l	98
26) 2,2-Dichloropropane	6.81	77	3093	0.529	ug/l #	66
27) cis-1,2-Dichloroethene	6.82	96	2434	0.486	ug/l	63
28) Bromochloromethane	7.18	49	1918	0.522	ug/l #	96
29) Tetrahydrofuran	7.20	42	4200	2.697	ug/l #	79
30) Chloroform	7.36	83	5184	0.632	ug/l	89
31) Cyclohexane	7.65	56	10226	1.320	ug/l #	1
32) 1,1,1-Trichloroethane	7.55	97	3528	0.537	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	3104	0.509	ug/l	93
37) Ethyl Acetate	6.91	43	2190m	0.443	ug/l	
38) Carbon Tetrachloride	7.76	117	3105	0.535	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056929.D
 Acq On : 25 Jul 2019 19:18
 Operator : JC/SP
 Sample : K3591-07 0.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:22 PM

Quant Time: Jul 26 05:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4201	0.565	ug/l	95
40) Benzene	8.03	78	10996	0.578	ug/l	92
41) Methacrylonitrile	7.17	41	1428	0.657	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	3710	0.631	ug/l	86
43) Isopropyl Acetate	8.16	43	3925	0.482	ug/l #	67
44) Trichloroethene	8.83	130	2698m	0.520	ug/l	
45) 1,2-Dichloropropane	9.10	63	2657	0.519	ug/l	89
46) Dibromomethane	9.19	93	1743	0.565	ug/l	90
47) Bromodichloromethane	9.39	83	3020	0.502	ug/l #	86
48) Methyl methacrylate	9.19	41	1740	0.445	ug/l #	87
49) 1,4-Dioxane	9.20	88	832	10.172	ug/l #	72
51) 4-Methyl-2-Pentanone	9.98	43	12281	2.539	ug/l	95
52) Toluene	10.15	92	6577	0.576	ug/l	93
53) t-1,3-Dichloropropene	10.37	75	2833	0.467	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	3356	0.470	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	2454	0.536	ug/l #	85
56) Ethyl methacrylate	10.43	69	2748	0.447	ug/l #	91
57) 1,3-Dichloropropane	10.70	76	3709	0.495	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	5843	2.410	ug/l #	85
59) 2-Hexanone	10.74	43	7577	2.285	ug/l	94
60) Dibromochloromethane	10.89	129	2237	0.481	ug/l #	55
61) 1,2-Dibromoethane	10.99	107	2355	0.519	ug/l	88
64) Tetrachloroethene	10.62	164	3008	0.598	ug/l #	89
65) Chlorobenzene	11.43	112	6240	0.542	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	2433	0.568	ug/l #	60
67) Ethyl Benzene	11.50	91	10070	0.508	ug/l	100
68) m/p-Xylenes	11.62	106	7419	1.003	ug/l	98
69) o-Xylene	11.94	106	3325	0.459	ug/l	100
70) Styrene	11.96	104	4931	0.430	ug/l	98
71) Bromoform	12.12	173	1327	0.446	ug/l #	90
73) Isopropylbenzene	12.24	105	9191	0.685	ug/l	98
74) N-amyl acetate	12.06	43	2666	0.677	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	2560	0.662	ug/l #	91
76) 1,2,3-Trichloropropane	12.54	75	2495m	0.845	ug/l	
77) Bromobenzene	12.52	156	2380	0.694	ug/l	94
78) n-propylbenzene	12.59	91	9101	0.642	ug/l	97
79) 2-Chlorotoluene	12.67	91	6163	0.698	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	7587	0.684	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.29	75	478m	0.510	ug/l	
82) 4-Chlorotoluene	12.77	91	5110	0.630	ug/l	95
83) tert-Butylbenzene	12.99	119	8023	0.821	ug/l	92
84) 1,2,4-Trimethylbenzene	13.03	105	6630	0.632	ug/l	100
85) sec-Butylbenzene	13.17	105	7965	0.645	ug/l	99
86) p-Isopropyltoluene	13.28	119	7369	0.675	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	3049	0.594	ug/l	92
88) 1,4-Dichlorobenzene	13.36	146	3492m	0.711	ug/l	
89) n-Butylbenzene	13.61	91	4825	0.572	ug/l	90
90) Hexachloroethane	13.87	117	1045	0.541	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3442	0.662	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	204	0.386	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
Data File : VN056929.D
Acq On : 25 Jul 2019 19:18
Operator : JC/SP
Sample : K3591-07 0.5PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations
APPROVED

MMDadoda
7/26/2019 3:37:22 PM

Quant Time: Jul 26 05:31:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 05:13:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1152	0.536	ug/l	92
94) Hexachlorobutadiene	15.00	225	1694	0.807	ug/l	94
95) Naphthalene	15.12	128	2800	0.516	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	1472	0.631	ug/l	88

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

