

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062409.D
 Acq On : 8 Jul 2020 15:49
 Operator : JC/MD
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:06 AM

Quant Time: Jul 09 04:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	329425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	143720	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.55	113	99261	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.06	98	386213	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.38	95	129027	43.92	ug/l	0.00
Spiked Amount			Recovery	=	87.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	5144	2.685	ug/l	99
3) Chloromethane	2.04	50	8289	2.697	ug/l	91
4) Vinyl Chloride	2.16	62	6699	2.660	ug/l	95
5) Bromomethane	2.53	94	4312	3.188	ug/l	95
6) Chloroethane	2.67	64	4271	2.912	ug/l	98
7) Trichlorofluoromethane	2.98	101	8411	2.630	ug/l	97
8) Diethyl Ether	3.37	74	3915	2.738	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5014	2.645	ug/l #	68
10) Methyl Iodide	3.91	142	4871	1.946	ug/l	96
11) Tert butyl alcohol	4.74	59	7073m	14.740	ug/l	
12) 1,1-Dichloroethene	3.70	96	5343	2.768	ug/l	94
13) Acrolein	3.57	56	4676	13.509	ug/l	100
14) Allyl chloride	4.28	41	11545	2.543	ug/l	96
15) Acrylonitrile	4.94	53	16100	12.793	ug/l	98
16) Acetone	3.78	43	15416	12.553	ug/l	100
17) Carbon Disulfide	4.01	76	17365	2.871	ug/l	97
18) Methyl Acetate	4.28	43	8353	2.725	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	19290	2.636	ug/l	98
20) Methylene Chloride	4.51	84	7206	2.744	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	5631	2.693	ug/l	87
22) Diisopropyl ether	5.90	45	23811	2.655	ug/l #	87
23) Vinyl Acetate	5.85	43	92683	12.474	ug/l	99
24) 1,1-Dichloroethane	5.80	63	12317	2.658	ug/l	98
25) 2-Butanone	6.79	43	22859	12.745	ug/l	97
26) 2,2-Dichloropropane	6.77	77	9616	2.706	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	6210	2.564	ug/l	94
28) Bromochloromethane	7.15	49	5927	2.354	ug/l #	72
29) Tetrahydrofuran	7.17	42	15718	13.017	ug/l	97
30) Chloroform	7.33	83	11484	2.744	ug/l	95
31) Cyclohexane	7.62	56	15135	3.445	ug/l #	70
32) 1,1,1-Trichloroethane	7.53	97	9018	2.591	ug/l	99
36) 1,1-Dichloropropene	7.75	75	8502	2.562	ug/l	97
37) Ethyl Acetate	6.89	43	9312	2.399	ug/l #	87
38) Carbon Tetrachloride	7.73	117	7615	2.552	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062409.D
 Acq On : 8 Jul 2020 15:49
 Operator : JC/MD
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:06 AM

Quant Time: Jul 09 04:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	8726	2.463	ug/l	98
40) Benzene	8.00	78	26302	2.689	ug/l	99
41) Methacrylonitrile	7.12	41	2743	1.692	ug/l #	57
42) 1,2-Dichloroethane	8.09	62	10065	2.810	ug/l	98
43) Isopropyl Acetate	8.13	43	16322	2.662	ug/l	98
44) Trichloroethene	8.80	130	5885	2.712	ug/l	97
45) 1,2-Dichloropropane	9.09	63	7664	2.699	ug/l	96
46) Dibromomethane	9.18	93	4344	2.711	ug/l	92
47) Bromodichloromethane	9.37	83	8473	2.473	ug/l #	88
48) Methyl methacrylate	9.17	41	7509	2.497	ug/l	96
49) 1,4-Dioxane	9.17	88	2045	46.720	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	45570	12.445	ug/l	99
52) Toluene	10.13	92	14896	2.636	ug/l	97
53) t-1,3-Dichloropropene	10.36	75	9283	2.419	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	10342	2.442	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	6139	2.763	ug/l	91
56) Ethyl methacrylate	10.40	69	8442	2.273	ug/l	91
57) 1,3-Dichloropropane	10.68	76	10649	2.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	12832	9.734	ug/l	99
59) 2-Hexanone	10.72	43	31706	11.927	ug/l	95
60) Dibromochloromethane	10.88	129	5817	2.414	ug/l	99
61) 1,2-Dibromoethane	10.98	107	6056	2.700	ug/l	92
64) Tetrachloroethene	10.60	164	4822	2.740	ug/l	94
65) Chlorobenzene	11.41	112	15504	2.689	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	5296	2.491	ug/l	92
67) Ethyl Benzene	11.48	91	27127	2.507	ug/l	95
68) m/p-Xylenes	11.60	106	19194	5.011	ug/l	97
69) o-Xylene	11.92	106	9130	2.448	ug/l	96
70) Styrene	11.94	104	14196	2.303	ug/l	97
71) Bromoform	12.10	173	3785	2.429	ug/l #	92
73) Isopropylbenzene	12.22	105	24561	2.768	ug/l	100
74) N-amyl acetate	12.05	43	10186	2.359	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.48	83	9162	3.071	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	8529m	3.032	ug/l	
77) Bromobenzene	12.50	156	5927	2.939	ug/l	92
78) n-propylbenzene	12.57	91	28501	2.750	ug/l	99
79) 2-Chlorotoluene	12.65	91	17541	2.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	19443	2.673	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	2450	2.331	ug/l	95
82) 4-Chlorotoluene	12.75	91	17133	2.683	ug/l	98
83) tert-Butylbenzene	12.97	119	16175	2.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	17796	2.462	ug/l	97
85) sec-Butylbenzene	13.15	105	21342	2.609	ug/l	97
86) p-Isopropyltoluene	13.26	119	16949	2.401	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	9002	2.587	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	8961	2.503	ug/l	83
89) n-Butylbenzene	13.59	91	14693	2.357	ug/l	95
90) Hexachloroethane	13.85	117	3722	2.680	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	9323	2.771	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1468	2.697	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062409.D
Acq On : 8 Jul 2020 15:49
Operator : JC/MD
Sample : L3216-07 2.5PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:55:06 AM

Quant Time: Jul 09 04:08:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 09 03:29:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	2936	1.936	ug/l	93
94) Hexachlorobutadiene	14.98	225	2694	3.016	ug/l	93
95) Naphthalene	15.11	128	7941	1.857	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	3084	1.955	ug/l	99

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

