

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062408.D
 Acq On : 8 Jul 2020 15:25
 Operator : JC/MD
 Sample : L3216-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:03 AM

Quant Time: Jul 09 04:05:09 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	183077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	288966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107970	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	149784	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	7.55	113	104062	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.06	98	398745	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.38	95	130452	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1565	0.839	ug/l	98
3) Chloromethane	2.04	50	2729	0.912	ug/l	94
4) Vinyl Chloride	2.16	62	2115	0.863	ug/l #	88
5) Bromomethane	2.54	94	1482	1.126	ug/l	88
6) Chloroethane	2.67	64	987	0.691	ug/l #	78
7) Trichlorofluoromethane	2.98	101	2343	0.753	ug/l	84
8) Diethyl Ether	3.38	74	1028	0.738	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1391	0.754	ug/l	89
10) Methyl Iodide	3.90	142	494	0.203	ug/l #	26
11) Tert butyl alcohol	4.73	59	2186	4.680	ug/l #	74
12) 1,1-Dichloroethene	3.70	96	1486	0.791	ug/l	95
13) Acrolein	3.58	56	1318	3.911	ug/l #	73
14) Allyl chloride	4.27	41	3606	0.816	ug/l #	88
15) Acrylonitrile	4.95	53	4282	3.495	ug/l	97
16) Acetone	3.78	43	4906	4.104	ug/l	96
17) Carbon Disulfide	4.01	76	5639	0.958	ug/l #	94
18) Methyl Acetate	4.28	43	2805	0.940	ug/l #	79
19) Methyl tert-butyl Ether	4.99	73	5408	0.759	ug/l	98
20) Methylene Chloride	4.50	84	2331	0.912	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	1620	0.796	ug/l	82
22) Diisopropyl ether	5.90	45	6726	0.770	ug/l	97
23) Vinyl Acetate	5.85	43	25654	3.547	ug/l	96
24) 1,1-Dichloroethane	5.80	63	3328m	0.738	ug/l	
25) 2-Butanone	6.79	43	6267	3.589	ug/l	95
26) 2,2-Dichloropropane	6.78	77	3145	0.909	ug/l #	70
27) cis-1,2-Dichloroethene	6.79	96	1933	0.820	ug/l	92
28) Bromochloromethane	7.15	49	1861	0.759	ug/l #	93
29) Tetrahydrofuran	7.17	42	4323	3.678	ug/l #	87
30) Chloroform	7.33	83	2960	0.727	ug/l	98
31) Cyclohexane	7.62	56	7871	1.840	ug/l #	16
32) 1,1,1-Trichloroethane	7.53	97	2579	0.761	ug/l #	53
36) 1,1-Dichloropropene	7.76	75	2488	0.766	ug/l	94
37) Ethyl Acetate	6.88	43	3662m	0.964	ug/l	
38) Carbon Tetrachloride	7.73	117	2427	0.831	ug/l #	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062408.D
 Acq On : 8 Jul 2020 15:25
 Operator : JC/MD
 Sample : L3216-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:03 AM

Quant Time: Jul 09 04:05:09 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	2713	0.783	ug/l	98
40) Benzene	8.00	78	7671	0.802	ug/l	97
41) Methacrylonitrile	7.13	41	1213m	0.765	ug/l	
42) 1,2-Dichloroethane	8.09	62	2936	0.838	ug/l #	78
43) Isopropyl Acetate	8.13	43	4267	0.711	ug/l #	88
44) Trichloroethene	8.81	130	1714	0.807	ug/l	97
45) 1,2-Dichloropropane	9.08	63	1958	0.705	ug/l #	87
46) Dibromomethane	9.17	93	1280	0.816	ug/l	93
47) Bromodichloromethane	9.37	83	2611	0.779	ug/l #	87
48) Methyl methacrylate	9.17	41	2164	0.736	ug/l	94
49) 1,4-Dioxane	9.17	88	598	13.964	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	12655	3.532	ug/l	98
52) Toluene	10.12	92	4585	0.829	ug/l	91
53) t-1,3-Dichloropropene	10.35	75	2605	0.694	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	2938	0.709	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	1559	0.717	ug/l	99
56) Ethyl methacrylate	10.40	69	2400	0.661	ug/l	97
57) 1,3-Dichloropropane	10.68	76	2794	0.696	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.67	63	3748	2.906	ug/l	91
59) 2-Hexanone	10.73	43	8742	3.361	ug/l	93
60) Dibromochloromethane	10.88	129	1409	0.598	ug/l	97
61) 1,2-Dibromoethane	10.98	107	1538	0.701	ug/l	98
64) Tetrachloroethene	10.61	164	1465	0.854	ug/l #	83
65) Chlorobenzene	11.40	112	4650	0.828	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1517	0.732	ug/l #	54
67) Ethyl Benzene	11.48	91	7766	0.737	ug/l	99
68) m/p-Xylenes	11.59	106	5228	1.401	ug/l	99
69) o-Xylene	11.92	106	2427	0.668	ug/l	86
70) Styrene	11.94	104	3602	0.600	ug/l	93
71) Bromoform	12.10	173	1086	0.715	ug/l #	88
73) Isopropylbenzene	12.22	105	6582	0.788	ug/l	97
74) N-amyl acetate	12.05	43	2989	0.735	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.48	83	2600	0.926	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	2504m	0.945	ug/l	
77) Bromobenzene	12.50	156	1692	0.891	ug/l	97
78) n-propylbenzene	12.57	91	7911	0.811	ug/l	98
79) 2-Chlorotoluene	12.65	91	5184	0.875	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	5489	0.801	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	676m	0.683	ug/l	
82) 4-Chlorotoluene	12.75	91	5371	0.893	ug/l	95
83) tert-Butylbenzene	12.97	119	4501	0.774	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	5085	0.747	ug/l	95
85) sec-Butylbenzene	13.15	105	5785	0.751	ug/l	99
86) p-Isopropyltoluene	13.26	119	4618	0.695	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2776	0.847	ug/l	89
88) 1,4-Dichlorobenzene	13.34	146	2721m	0.807	ug/l	
89) n-Butylbenzene	13.59	91	4153	0.708	ug/l	92
90) Hexachloroethane	13.84	117	1036	0.792	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	2399	0.757	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	127	0.248	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062408.D
Acq On : 8 Jul 2020 15:25
Operator : JC/MD
Sample : L3216-07 .75PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:55:03 AM

Quant Time: Jul 09 04:05:09 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	745	0.522	ug/l	86
94) Hexachlorobutadiene	14.99	225	734	0.873	ug/l	77
95) Naphthalene	15.11	128	2586	0.642	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.29	180	1071m	0.721	ug/l	

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

