

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060571.D
 Acq On : 17 Mar 2020 22:14
 Operator : JC/MD
 Sample : L1161-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:13 PM

Quant Time: Mar 19 13:02:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134894	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	143195	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.56	113	105432	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	425501	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.40	95	144633	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1027	0.515	ug/l	87
3) Chloromethane	2.04	50	2110	0.567	ug/l	96
4) Vinyl Chloride	2.16	62	1475	0.506	ug/l	90
6) Chloroethane	2.69	64	994	0.593	ug/l	99
7) Trichlorofluoromethane	3.01	101	1813	0.505	ug/l	93
8) Diethyl Ether	3.38	74	760	0.527	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1125	0.541	ug/l	95
12) 1,1-Dichloroethene	3.72	96	1413	0.633	ug/l #	81
14) Allyl chloride	4.29	41	2053	0.523	ug/l #	91
15) Acrylonitrile	4.95	53	2288	1.871	ug/l #	89
16) Acetone	3.79	43	2982	2.976	ug/l	98
17) Carbon Disulfide	4.03	76	5269	0.777	ug/l	96
18) Methyl Acetate	4.30	43	1365	0.484	ug/l #	54
19) Methyl tert-butyl Ether	5.00	73	3985	0.520	ug/l	92
20) Methylene Chloride	4.53	84	1444	0.586	ug/l #	84
21) trans-1,2-Dichloroethene	5.00	96	1384	0.582	ug/l #	82
22) Diisopropyl ether	5.92	45	4368	0.527	ug/l	92
23) Vinyl Acetate	5.87	43	15889	2.349	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	2325	0.515	ug/l #	85
25) 2-Butanone	6.81	43	4290	2.646	ug/l	96
26) 2,2-Dichloropropane	6.80	77	1765m	0.496	ug/l	
27) cis-1,2-Dichloroethene	6.80	96	1569	0.581	ug/l	84
28) Bromochloromethane	7.17	49	1004	0.464	ug/l #	63
29) Tetrahydrofuran	7.19	42	2807	2.447	ug/l #	76
30) Chloroform	7.35	83	2320	0.536	ug/l	98
31) Cyclohexane	7.63	56	6500	1.427	ug/l #	20
32) 1,1,1-Trichloroethane	7.55	97	1977	0.529	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	1931	0.565	ug/l	91
37) Ethyl Acetate	6.90	43	1233	0.334	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1334	0.435	ug/l	98
39) Methylcyclohexane	9.06	83	2317	0.570	ug/l	97
40) Benzene	8.02	78	5061	0.490	ug/l #	85
41) Methacrylonitrile	7.14	41	693	0.440	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	1935	0.549	ug/l #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060571.D
 Acq On : 17 Mar 2020 22:14
 Operator : JC/MD
 Sample : L1161-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:13 PM

Quant Time: Mar 19 13:02:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	8.14	43	2927	0.480	ug/l #	73
44) Trichloroethene	8.82	130	1687	0.648	ug/l	80
45) 1,2-Dichloropropane	9.10	63	1289	0.473	ug/l	98
46) Dibromomethane	9.19	93	749	0.455	ug/l	97
47) Bromodichloromethane	9.39	83	1632	0.477	ug/l #	96
48) Methyl methacrylate	9.19	41	1268	0.468	ug/l	94
49) 1,4-Dioxane	9.18	88	138	4.281	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	8807	2.541	ug/l	99
52) Toluene	10.14	92	3159	0.507	ug/l	89
53) t-1,3-Dichloropropene	10.37	75	2004	0.510	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	2181	0.506	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	1102	0.460	ug/l	91
56) Ethyl methacrylate	10.42	69	1508	0.403	ug/l #	93
57) 1,3-Dichloropropane	10.69	76	2075	0.499	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	3690	1.986	ug/l	97
59) 2-Hexanone	10.74	43	5763	2.308	ug/l	92
60) Dibromochloromethane	10.89	129	1032	0.417	ug/l	86
61) 1,2-Dibromoethane	11.00	107	1078	0.447	ug/l	84
64) Tetrachloroethene	10.62	164	1530	0.625	ug/l	95
65) Chlorobenzene	11.43	112	3320	0.538	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	1033	0.462	ug/l #	57
67) Ethyl Benzene	11.50	91	6269	0.546	ug/l	95
68) m/p-Xylenes	11.62	106	4560	1.069	ug/l	89
69) o-Xylene	11.94	106	2101	0.516	ug/l	94
70) Styrene	11.96	104	3158	0.474	ug/l	90
71) Bromoform	12.12	173	676	0.405	ug/l #	94
73) Isopropylbenzene	12.24	105	5619	0.555	ug/l	97
74) N-amyl acetate	12.07	43	2433	0.520	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	1657	0.541	ug/l #	88
76) 1,2,3-Trichloropropane	12.54	75	1632m	0.561	ug/l	
77) Bromobenzene	12.52	156	1334	0.547	ug/l	85
78) n-propylbenzene	12.59	91	7184	0.601	ug/l	98
79) 2-Chlorotoluene	12.67	91	4210	0.589	ug/l	89
80) 1,3,5-Trimethylbenzene	12.73	105	4876	0.568	ug/l	93
82) 4-Chlorotoluene	12.77	91	4757	0.654	ug/l	93
83) tert-Butylbenzene	12.99	119	4224	0.593	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	4624	0.544	ug/l	98
85) sec-Butylbenzene	13.17	105	5326	0.556	ug/l	95
86) p-Isopropyltoluene	13.28	119	4849	0.563	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2851	0.663	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	2984m	0.690	ug/l	
89) n-Butylbenzene	13.61	91	4695	0.604	ug/l	95
90) Hexachloroethane	13.87	117	605	0.483	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	2482	0.603	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	389	0.566	ug/l #	42
93) 1,2,4-Trichlorobenzene	14.90	180	1572	0.622	ug/l	90
94) Hexachlorobutadiene	15.01	225	704	0.568	ug/l	89
95) Naphthalene	15.13	128	4259	0.561	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1524	0.612	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060571.D
Acq On : 17 Mar 2020 22:14
Operator : JC/MD
Sample : L1161-07 .5PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:13 PM

Quant Time: Mar 19 13:02:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 09:02:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

