

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064264.D
 Acq On : 22 Oct 2020 20:51
 Operator : JC/MD
 Sample : L4214-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:41 PM

Quant Time: Oct 23 02:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 02:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	259901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	382820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162290	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	211343	54.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.52%	
35) Dibromofluoromethane	7.55	113	143992	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
50) Toluene-d8	10.06	98	517690	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.38	95	197329	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1742	0.613	ug/l	92
3) Chloromethane	2.04	50	1954	0.650	ug/l #	85
4) Vinyl Chloride	2.17	62	1796	0.603	ug/l #	81
5) Bromomethane	2.54	94	1643	0.846	ug/l	86
6) Chloroethane	2.68	64	1074	0.592	ug/l	91
7) Trichlorofluoromethane	3.00	101	3033m	0.619	ug/l	
8) Diethyl Ether	3.37	74	1195m	0.738	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1638m	0.647	ug/l	
10) Methyl Iodide	3.92	142	1908m	0.530	ug/l	
11) Tert butyl alcohol	4.74	59	1387m	2.685	ug/l	
12) 1,1-Dichloroethene	3.70	96	1812	0.744	ug/l #	60
13) Acrolein	3.58	56	605	1.865	ug/l	100
14) Allyl chloride	4.27	41	3341	0.685	ug/l #	84
15) Acrylonitrile	4.95	53	3462m	3.240	ug/l	
16) Acetone	3.78	43	4635	4.197	ug/l #	89
17) Carbon Disulfide	4.01	76	4698	0.676	ug/l	100
18) Methyl Acetate	4.29	43	2773m	0.985	ug/l	
19) Methyl tert-butyl Ether	5.00	73	5952m	0.711	ug/l	
20) Methylene Chloride	4.52	84	2519m	0.855	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1561	0.581	ug/l #	74
22) Diisopropyl ether	5.91	45	5471m	0.604	ug/l	
23) Vinyl Acetate	5.85	43	22497	2.783	ug/l #	90
24) 1,1-Dichloroethane	5.80	63	3453m	0.658	ug/l	
25) 2-Butanone	6.79	43	5706	3.252	ug/l	91
26) 2,2-Dichloropropane	6.78	77	3486m	0.667	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	2257	0.722	ug/l	78
28) Bromochloromethane	7.15	49	1255	0.503	ug/l #	66
29) Tetrahydrofuran	7.17	42	3864	3.682	ug/l #	62
30) Chloroform	7.33	83	3274	0.585	ug/l	94
31) Cyclohexane	7.63	56	9195	2.010	ug/l #	48
32) 1,1,1-Trichloroethane	7.52	97	3160m	0.602	ug/l	
36) 1,1-Dichloropropene	7.75	75	2883	0.679	ug/l	81
37) Ethyl Acetate	6.89	43	2146	0.557	ug/l #	78
38) Carbon Tetrachloride	7.73	117	3060	0.634	ug/l #	87

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

39) Methylcyclohexane	9.04	83	2420m	0.627	ug/l	
40) Benzene	8.00	78	7606	0.649	ug/l	96
41) Methacrylonitrile	7.13	41	1084m	0.536	ug/l	
42) 1,2-Dichloroethane	8.09	62	3512m	0.700	ug/l	
43) Isopropyl Acetate	8.14	43	5007	0.697	ug/l #	73
44) Trichloroethene	8.81	130	1720	0.539	ug/l	75
45) 1,2-Dichloropropane	9.09	63	1992m	0.637	ug/l	
46) Dibromomethane	9.18	93	1343	0.640	ug/l #	27
47) Bromodichloromethane	9.37	83	3251	0.701	ug/l #	76
48) Methyl methacrylate	9.16	41	2554	0.681	ug/l #	87
49) 1,4-Dioxane	9.18	88	277	6.312	ug/l #	73
51) 4-Methyl-2-Pentanone	9.96	43	11874	3.094	ug/l	99
52) Toluene	10.12	92	4515	0.602	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	3665	0.711	ug/l #	84
54) cis-1,3-Dichloropropene	9.81	75	3526	0.650	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	1609	0.568	ug/l #	82
56) Ethyl methacrylate	10.40	69	2571	0.587	ug/l #	79
57) 1,3-Dichloropropane	10.68	76	2723	0.554	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.66	63	6564	2.912	ug/l	99
59) 2-Hexanone	10.72	43	8038	2.868	ug/l	99
60) Dibromochloromethane	10.87	129	1689	0.461	ug/l	100
61) 1,2-Dibromoethane	10.98	107	1664	0.557	ug/l	89
64) Tetrachloroethene	10.61	164	1830	0.594	ug/l	93
65) Chlorobenzene	11.40	112	4255	0.537	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.48	131	1958	0.622	ug/l #	66
67) Ethyl Benzene	11.48	91	8360	0.574	ug/l	94
68) m/p-Xylenes	11.59	106	5962	1.105	ug/l	80
69) o-Xylene	11.92	106	3003	0.575	ug/l	93
70) Styrene	11.94	104	4693	0.537	ug/l	92
71) Bromoform	12.10	173	1454	0.598	ug/l #	83
73) Isopropylbenzene	12.23	105	7240	0.585	ug/l	95
74) N-amyl acetate	12.05	43	3571	0.668	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.48	83	2347	0.715	ug/l #	90
76) 1,2,3-Trichloropropane	12.53	75	2708m	0.792	ug/l	
77) Bromobenzene	12.50	156	1949	0.667	ug/l	86
78) n-propylbenzene	12.57	91	8910	0.638	ug/l	97
79) 2-Chlorotoluene	12.65	91	6337	0.739	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	6766	0.647	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	625m	0.461	ug/l	
82) 4-Chlorotoluene	12.75	91	5567	0.623	ug/l	98
83) tert-Butylbenzene	12.97	119	5638	0.657	ug/l	88
84) 1,2,4-Trimethylbenzene	13.02	105	6901	0.663	ug/l	97
85) sec-Butylbenzene	13.15	105	6491	0.600	ug/l	98
86) p-Isopropyltoluene	13.26	119	6054	0.615	ug/l	86
87) 1,3-Dichlorobenzene	13.26	146	3333	0.641	ug/l	92
88) 1,4-Dichlorobenzene	13.33	146	3425m	0.644	ug/l	
89) n-Butylbenzene	13.59	91	5021	0.569	ug/l	99
90) Hexachloroethane	13.85	117	1070	0.600	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	3300	0.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	467	0.570	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1639	0.573	ug/l	91
94) Hexachlorobutadiene	14.98	225	1104	0.715	ug/l	89
95) Naphthalene	15.10	128	4076	0.476	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.29	180	1727	0.609	ug/l #	83

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

