

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064267.D
 Acq On : 22 Oct 2020 22:02
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:58 PM

Quant Time: Oct 23 03:24:20 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	252274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168425	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	203740	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.55	113	143418	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	10.06	98	497504	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.37	95	194523	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	12011	4.354	ug/l	95
3) Chloromethane	2.04	50	13365	4.584	ug/l	96
4) Vinyl Chloride	2.16	62	14144	4.893	ug/l	95
5) Bromomethane	2.53	94	9801	5.202	ug/l	89
6) Chloroethane	2.67	64	8379	4.761	ug/l	94
7) Trichlorofluoromethane	2.98	101	25177	5.296	ug/l	100
8) Diethyl Ether	3.37	74	8059	5.125	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12211	4.967	ug/l #	84
10) Methyl Iodide	3.91	142	15876	4.542	ug/l	98
11) Tert butyl alcohol	4.73	59	13607m	27.132	ug/l	
12) 1,1-Dichloroethene	3.70	96	12424	5.255	ug/l	95
13) Acrolein	3.57	56	5721	18.173	ug/l	85
14) Allyl chloride	4.28	41	21060	4.450	ug/l #	68
15) Acrylonitrile	4.94	53	25504	24.594	ug/l	96
16) Acetone	3.78	43	28831	26.896	ug/l	99
17) Carbon Disulfide	4.01	76	31821	4.718	ug/l	97
18) Methyl Acetate	4.28	43	14426	5.281	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	43675	5.373	ug/l #	89
20) Methylene Chloride	4.51	84	14965	5.235	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	12952	4.968	ug/l	94
22) Diisopropyl ether	5.90	45	42490	4.830	ug/l	97
23) Vinyl Acetate	5.84	43	200955	25.615	ug/l	98
24) 1,1-Dichloroethane	5.80	63	27576	5.411	ug/l	99
25) 2-Butanone	6.79	43	42578	25.000	ug/l	95
26) 2,2-Dichloropropane	6.77	77	23857	4.702	ug/l	88
27) cis-1,2-Dichloroethene	6.78	96	16408	5.404	ug/l	96
28) Bromochloromethane	7.14	49	13245	5.471	ug/l #	93
29) Tetrahydrofuran	7.16	42	28419	27.896	ug/l #	86
30) Chloroform	7.33	83	28019	5.154	ug/l	95
31) Cyclohexane	7.62	56	25276	5.691	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27377	5.376	ug/l	99
36) 1,1-Dichloropropene	7.75	75	20238	4.834	ug/l	97
37) Ethyl Acetate	6.88	43	19796	5.207	ug/l	97
38) Carbon Tetrachloride	7.73	117	25761	5.408	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	17756	4.664	ug/l	96
40) Benzene	8.00	78	57566	4.981	ug/l	95
41) Methacrylonitrile	7.12	41	9383	4.705	ug/l	96
42) 1,2-Dichloroethane	8.09	62	25030	5.055	ug/l	99
43) Isopropyl Acetate	8.13	43	38296	5.405	ug/l	94
44) Trichloroethene	8.80	130	16516	5.244	ug/l	87
45) 1,2-Dichloropropane	9.09	63	14901	4.829	ug/l	91
46) Dibromomethane	9.18	93	11947	5.766	ug/l	98
47) Bromodichloromethane	9.37	83	23981	5.239	ug/l	96
48) Methyl methacrylate	9.16	41	17341	4.686	ug/l	95
49) 1,4-Dioxane	9.17	88	4388	101.334	ug/l #	85
51) 4-Methyl-2-Pentanone	9.95	43	96486	25.482	ug/l	100
52) Toluene	10.13	92	35151	4.753	ug/l	90
53) t-1,3-Dichloropropene	10.35	75	26191	5.151	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	25378	4.740	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	14858	5.320	ug/l	95
56) Ethyl methacrylate	10.40	69	20785	4.813	ug/l	94
57) 1,3-Dichloropropane	10.68	76	25336	5.222	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56615	25.458	ug/l	97
59) 2-Hexanone	10.72	43	67877	24.546	ug/l	100
60) Dibromochloromethane	10.87	129	17116	4.734	ug/l	99
61) 1,2-Dibromoethane	10.98	107	14999	5.089	ug/l	100
64) Tetrachloroethene	10.60	164	16266	5.462	ug/l	90
65) Chlorobenzene	11.41	112	39627	5.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	15854	5.216	ug/l	98
67) Ethyl Benzene	11.48	91	70897	5.038	ug/l	96
68) m/p-Xylenes	11.59	106	49296	9.455	ug/l	97
69) o-Xylene	11.92	106	24974	4.953	ug/l	96
70) Styrene	11.94	104	40043	4.738	ug/l	95
71) Bromoform	12.10	173	10996	4.683	ug/l #	95
73) Isopropylbenzene	12.22	105	66284	5.160	ug/l	100
74) N-amyl acetate	12.04	43	27529	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	18767	5.505	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	19013m	5.355	ug/l	
77) Bromobenzene	12.50	156	16208	5.345	ug/l	99
78) n-propylbenzene	12.56	91	77016	5.318	ug/l	99
79) 2-Chlorotoluene	12.65	91	47816	5.375	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	57361	5.282	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.28	75	6186	4.399	ug/l #	85
82) 4-Chlorotoluene	12.75	91	49413	5.325	ug/l	97
83) tert-Butylbenzene	12.97	119	45478	5.108	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	56367	5.215	ug/l	98
85) sec-Butylbenzene	13.14	105	56132	5.001	ug/l	100
86) p-Isopropyltoluene	13.26	119	52948	5.180	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	26778	4.963	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	27795	5.033	ug/l	91
89) n-Butylbenzene	13.59	91	45931	5.013	ug/l	97
90) Hexachloroethane	13.85	117	8326	4.498	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	26211	4.951	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4689	5.514	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	14150	4.766	ug/l	97
94) Hexachlorobutadiene	14.98	225	7703	4.810	ug/l	91
95) Naphthalene	15.11	128	39327	4.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	13277	4.515	ug/l	98

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

