

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058775.D
 Acq On : 15 Oct 2019 12:36
 Operator : JC/SP
 Sample : K5111-09 2.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda

10/18/2019 12:42:34 AM

Quant Time: Oct 16 04:34:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M

Quant Title : SW846 8260

QLast Update : Sat Oct 12 00:00:30 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	377244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	284245	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	7.57	113	204498	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	10.08	98	760432	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	261834	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	12483	2.657 ug/l	99
3) Chloromethane	2.04	50	15722	2.814 ug/l	93
4) Vinyl Chloride	2.17	62	15275	2.745 ug/l	92
5) Bromomethane	2.55	94	10726	3.169 ug/l	99
6) Chloroethane	2.68	64	9682	2.821 ug/l	98
7) Trichlorofluoromethane	3.00	101	18459	2.772 ug/l	97
8) Diethyl Ether	3.39	74	6597	2.681 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	11216	2.954 ug/l	93
10) Methyl Iodide	3.93	142	13263	2.560 ug/l #	75
11) Tert butyl alcohol	4.76	59	12829	14.999 ug/l	96
12) 1,1-Dichloroethene	3.72	96	10150	2.802 ug/l	98
13) Acrolein	3.59	56	7960	11.572 ug/l	95
14) Allyl chloride	4.30	41	21009	2.874 ug/l	98
15) Acrylonitrile	4.96	53	29024	13.456 ug/l	98
16) Acetone	3.80	43	30503	13.951 ug/l	96
17) Carbon Disulfide	4.03	76	32019	2.765 ug/l	99
18) Methyl Acetate	4.30	43	17287	3.117 ug/l	98
19) Methyl tert-butyl Ether	5.01	73	34533	2.669 ug/l	100
20) Methylene Chloride	4.53	84	12714	2.782 ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	10765	2.656 ug/l	97
22) Diisopropyl ether	5.93	45	37871	2.664 ug/l #	87
23) Vinyl Acetate	5.87	43	151803	13.234 ug/l	99
24) 1,1-Dichloroethane	5.83	63	22330	2.758 ug/l	96
25) 2-Butanone	6.82	43	42076	13.314 ug/l	100
26) 2,2-Dichloropropane	6.80	77	20258	2.741 ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	12685	2.684 ug/l	97
28) Bromochloromethane	7.17	49	7812	2.774 ug/l #	98
29) Tetrahydrofuran	7.19	42	27495	13.463 ug/l #	81
30) Chloroform	7.36	83	22469	2.762 ug/l	97
31) Cyclohexane	7.64	56	27049	3.492 ug/l #	62
32) 1,1,1-Trichloroethane	7.55	97	19467	2.806 ug/l	97
36) 1,1-Dichloropropene	7.78	75	17013	2.752 ug/l	98
37) Ethyl Acetate	6.91	43	14074	2.251 ug/l #	92
38) Carbon Tetrachloride	7.75	117	16861	2.799 ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	17414	2.428	ug/l	94
40) Benzene	8.03	78	48212	2.716	ug/l	96
41) Methacrylonitrile	7.16	41	7490	2.559	ug/l #	23
42) 1,2-Dichloroethane	8.11	62	19461	2.853	ug/l	98
43) Isopropyl Acetate	8.15	43	28283	2.656	ug/l	99
44) Trichloroethene	8.82	130	12006	2.723	ug/l	100
45) 1,2-Dichloropropane	9.11	63	12599	2.651	ug/l	97
46) Dibromomethane	9.20	93	8585	2.849	ug/l	95
47) Bromodichloromethane	9.39	83	16815	2.740	ug/l	95
48) Methyl methacrylate	9.19	41	12474	2.584	ug/l	98
49) 1,4-Dioxane	9.19	88	4182	55.995	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	79144	13.232	ug/l	98
52) Toluene	10.15	92	29477	2.715	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	18232	2.591	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	18595	2.489	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	12512	2.815	ug/l	94
56) Ethyl methacrylate	10.43	69	15351	2.364	ug/l	91
57) 1,3-Dichloropropane	10.70	76	20961	2.768	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	34242	10.943	ug/l	98
59) 2-Hexanone	10.75	43	59049	12.775	ug/l	97
60) Dibromochloromethane	10.90	129	11519	2.513	ug/l	96
61) 1,2-Dibromoethane	11.00	107	11906	2.674	ug/l	95
64) Tetrachloroethene	10.63	164	10915	2.812	ug/l	96
65) Chlorobenzene	11.43	112	29800	2.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	11620	2.790	ug/l	96
67) Ethyl Benzene	11.51	91	51936	2.587	ug/l	99
68) m/p-Xylenes	11.62	106	37271	4.946	ug/l	99
69) o-Xylene	11.95	106	17435	2.392	ug/l	100
70) Styrene	11.97	104	25898	2.167	ug/l	99
71) Bromoform	12.13	173	7884	2.582	ug/l #	97
73) Isopropylbenzene	12.25	105	46757	2.724	ug/l	97
74) N-amyl acetate	12.07	43	18956	2.459	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	17231	3.048	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	17415m	3.350	ug/l	
77) Bromobenzene	12.53	156	12418	2.975	ug/l	98
78) n-propylbenzene	12.59	91	55334	2.767	ug/l	98
79) 2-Chlorotoluene	12.68	91	35115	2.829	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	39189	2.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5396	2.780	ug/l	98
82) 4-Chlorotoluene	12.78	91	33328	2.616	ug/l	98
83) tert-Butylbenzene	13.00	119	33977	2.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	36970	2.542	ug/l	99
85) sec-Butylbenzene	13.17	105	42771	2.586	ug/l	98
86) p-Isopropyltoluene	13.29	119	36565	2.432	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	20900	2.715	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	20146	2.574	ug/l	85
89) n-Butylbenzene	13.62	91	33113	2.382	ug/l	96
90) Hexachloroethane	13.88	117	7593	2.823	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	20091	2.678	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4190	3.172	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9503	2.076	ug/l	98
94) Hexachlorobutadiene	15.01	225	6814	2.827	ug/l	94
95) Naphthalene	15.13	128	25498	1.938	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	9515	2.129	ug/l	96

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

