

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101019\
 Data File : VX013003.D
 Acq On : 10 Oct 2019 18:03
 Operator : JC/SP
 Sample : K5111-07 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 2:47:57 PM

Quant Time: Oct 11 09:46:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111897	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	5.49	113	85403	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	330911	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.14	95	116001	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4346	2.610	ug/l	97
3) Chloromethane	1.32	50	4901	2.705	ug/l	94
4) Vinyl Chloride	1.40	62	4501	2.407	ug/l	97
5) Bromomethane	1.63	94	2457	3.161	ug/l	97
6) Chloroethane	1.72	64	3739	3.397	ug/l	97
7) Trichlorofluoromethane	1.92	101	6913	2.739	ug/l	99
8) Diethyl Ether	2.18	74	2754	2.703	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4419	2.705	ug/l	95
10) Methyl Iodide	2.50	142	3005	1.870	ug/l	94
11) Tert butyl alcohol	3.03	59	10663	19.704	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	4266	2.585	ug/l	97
13) Acrolein	2.28	56	4050	10.531	ug/l	97
14) Allyl chloride	2.72	41	7308	2.486	ug/l	91
15) Acrylonitrile	3.13	53	14071	13.720	ug/l	100
16) Acetone	2.44	43	13101	12.175	ug/l	93
17) Carbon Disulfide	2.56	76	10745	2.283	ug/l	100
18) Methyl Acetate	2.76	43	7322	2.871	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	14830	2.602	ug/l	99
20) Methylene Chloride	2.84	84	5752	2.909	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	4666	2.638	ug/l	89
22) Diisopropyl ether	3.84	45	14586	2.590	ug/l #	79
23) Vinyl Acetate	3.81	43	58845	12.102	ug/l	99
24) 1,1-Dichloroethane	3.69	63	8559	2.701	ug/l	99
25) 2-Butanone	4.67	43	19059	12.767	ug/l	99
26) 2,2-Dichloropropane	4.58	77	5823	2.185	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	5299	2.599	ug/l	90
28) Bromochloromethane	5.00	49	2622	2.889	ug/l #	96
29) Tetrahydrofuran	5.12	42	12770	13.901	ug/l	96
30) Chloroform	5.20	83	9147	2.813	ug/l	85
31) Cyclohexane	5.57	56	7724	2.607	ug/l #	92
32) 1,1,1-Trichloroethane	5.48	97	7079	2.570	ug/l	93
36) 1,1-Dichloropropene	5.79	75	6329	2.564	ug/l	95
37) Ethyl Acetate	4.83	43	6366	2.306	ug/l #	93
38) Carbon Tetrachloride	5.78	117	5894	2.453	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	7458	2.491	ug/l	98
40) Benzene	6.14	78	19219	2.636	ug/l	98
41) Methacrylonitrile	5.04	41	4143m	2.731	ug/l	
42) 1,2-Dichloroethane	6.19	62	7377	2.820	ug/l	99
43) Isopropyl Acetate	6.43	43	10901	2.460	ug/l	98
44) Trichloroethene	7.21	130	5412	2.677	ug/l	98
45) 1,2-Dichloropropane	7.51	63	5143	2.768	ug/l	99
46) Dibromomethane	7.66	93	3149	2.543	ug/l	97
47) Bromodichloromethane	7.89	83	5787	2.395	ug/l #	95
48) Methyl methacrylate	7.77	41	5272	2.442	ug/l	92
49) 1,4-Dioxane	7.74	88	2716	52.032	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	35780	12.953	ug/l	97
52) Toluene	8.78	92	12216	2.619	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5164	1.931	ug/l #	88
54) cis-1,3-Dichloropropene	8.43	75	6291	2.117	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	5001	2.709	ug/l	95
56) Ethyl methacrylate	9.18	69	7023	2.349	ug/l	94
57) 1,3-Dichloropropane	9.37	76	8087	2.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	14497	10.690	ug/l	98
59) 2-Hexanone	9.49	43	26142	12.157	ug/l	95
60) Dibromochloromethane	9.58	129	4062	2.246	ug/l	94
61) 1,2-Dibromoethane	9.67	107	4970	2.559	ug/l	93
64) Tetrachloroethene	9.34	164	4969	2.856	ug/l	94
65) Chlorobenzene	10.14	112	12760	2.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	4273	2.474	ug/l	97
67) Ethyl Benzene	10.25	91	22090	2.497	ug/l	98
68) m/p-Xylenes	10.36	106	16432	4.971	ug/l	97
69) o-Xylene	10.70	106	8243	2.557	ug/l	100
70) Styrene	10.71	104	12855	2.346	ug/l	100
71) Bromoform	10.85	173	2405	1.932	ug/l #	97
73) Isopropylbenzene	11.01	105	20742	2.652	ug/l	99
74) N-amyl acetate	10.89	43	7970	2.366	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	6822	2.622	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	6540m	2.772	ug/l	
77) Bromobenzene	11.25	156	5156	2.797	ug/l	96
78) n-propylbenzene	11.35	91	22932	2.664	ug/l	96
79) 2-Chlorotoluene	11.42	91	14907	2.756	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	16761	2.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	1419m	1.702	ug/l	
82) 4-Chlorotoluene	11.51	91	15956	2.574	ug/l	100
83) tert-Butylbenzene	11.77	119	16119	2.530	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	16446	2.486	ug/l	99
85) sec-Butylbenzene	11.94	105	18188	2.464	ug/l	98
86) p-Isopropyltoluene	12.06	119	16418	2.398	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	8761	2.560	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	9026	2.604	ug/l	86
89) n-Butylbenzene	12.39	91	13179	2.291	ug/l	99
90) Hexachloroethane	12.59	117	2535	2.286	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	8728	2.601	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1249	2.048	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	4442	2.113	ug/l	96
94) Hexachlorobutadiene	13.78	225	2314	2.385	ug/l	97
95) Naphthalene	13.83	128	14576	2.000	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	4978	2.292	ug/l	99

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

