

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013073.D
 Acq On : 15 Oct 2019 13:21
 Operator : JC/SP
 Sample : K5111-08 5.0 PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:50 AM

Quant Time: Oct 16 07:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	108810	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	5.49	113	85113	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	321776	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.14	95	117666	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	8700	5.122	ug/l	95
3) Chloromethane	1.32	50	9928	5.371	ug/l	94
4) Vinyl Chloride	1.40	62	9483	4.970	ug/l	96
5) Bromomethane	1.63	94	4540	5.724	ug/l	96
6) Chloroethane	1.71	64	7120	6.340	ug/l	100
7) Trichlorofluoromethane	1.92	101	14603	5.670	ug/l	91
8) Diethyl Ether	2.18	74	5584	5.372	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	9264	5.558	ug/l	94
10) Methyl Iodide	2.50	142	7845	4.784	ug/l	97
11) Tert butyl alcohol	3.04	59	18082	32.749	ug/l	95
12) 1,1-Dichloroethene	2.36	96	8931	5.303	ug/l	99
13) Acrolein	2.28	56	8465	21.574	ug/l	97
14) Allyl chloride	2.72	41	15390	5.132	ug/l	100
15) Acrylonitrile	3.14	53	27964	26.726	ug/l	98
16) Acetone	2.44	43	27240	24.812	ug/l	98
17) Carbon Disulfide	2.56	76	20894	4.351	ug/l	97
18) Methyl Acetate	2.76	43	14303	5.497	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	32322	5.558	ug/l	97
20) Methylene Chloride	2.85	84	11274	5.588	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	9788	5.423	ug/l	90
22) Diisopropyl ether	3.85	45	30888	5.375	ug/l	# 92
23) Vinyl Acetate	3.81	43	124754	25.148	ug/l	98
24) 1,1-Dichloroethane	3.69	63	17848	5.521	ug/l	99
25) 2-Butanone	4.66	43	40119	26.340	ug/l	95
26) 2,2-Dichloropropane	4.58	77	13922	5.121	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	11056	5.314	ug/l	95
28) Bromochloromethane	5.00	49	5504	5.944	ug/l	98
29) Tetrahydrofuran	5.12	42	24276	25.901	ug/l	98
30) Chloroform	5.20	83	18152	5.472	ug/l	97
31) Cyclohexane	5.57	56	14804	4.897	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	15190	5.404	ug/l	99
36) 1,1-Dichloropropene	5.79	75	12979	5.276	ug/l	96
37) Ethyl Acetate	4.83	43	14315	5.204	ug/l	99
38) Carbon Tetrachloride	5.78	117	12507	5.223	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	15482	5.189	ug/l	88
40) Benzene	6.13	78	40465	5.569	ug/l	97
41) Methacrylonitrile	5.04	41	7363	4.871	ug/l	92
42) 1,2-Dichloroethane	6.19	62	15087	5.786	ug/l	99
43) Isopropyl Acetate	6.44	43	22563	5.110	ug/l	98
44) Trichloroethene	7.21	130	10539	5.231	ug/l	95
45) 1,2-Dichloropropane	7.51	63	10483	5.661	ug/l	93
46) Dibromomethane	7.65	93	6724	5.450	ug/l	96
47) Bromodichloromethane	7.89	83	12161	5.051	ug/l #	95
48) Methyl methacrylate	7.76	41	10810	5.024	ug/l	98
49) 1,4-Dioxane	7.73	88	5693	109.440	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	72834	26.458	ug/l	100
52) Toluene	8.78	92	25401	5.464	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	12369	4.640	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	14392	4.860	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	10030	5.452	ug/l	95
56) Ethyl methacrylate	9.17	69	15282	5.130	ug/l	99
57) 1,3-Dichloropropane	9.37	76	16868	5.301	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	34472	25.508	ug/l	100
59) 2-Hexanone	9.49	43	55203	25.761	ug/l	99
60) Dibromochloromethane	9.58	129	9091	5.043	ug/l	96
61) 1,2-Dibromoethane	9.67	107	10523	5.438	ug/l	98
64) Tetrachloroethene	9.33	164	10379	6.048	ug/l	97
65) Chlorobenzene	10.14	112	27107	5.517	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.22	131	9252	5.431	ug/l	96
67) Ethyl Benzene	10.25	91	45803	5.248	ug/l	90
68) m/p-Xylenes	10.36	106	35103	10.766	ug/l	96
69) o-Xylene	10.70	106	17431	5.482	ug/l	98
70) Styrene	10.71	104	28151	5.208	ug/l	97
71) Bromoform	10.86	173	5551	4.521	ug/l #	98
73) Isopropylbenzene	11.01	105	44148	5.302	ug/l	98
74) N-amyl acetate	10.89	43	17315	4.828	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	15233	5.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	13996m	5.571	ug/l	
77) Bromobenzene	11.25	156	11527	5.874	ug/l	94
78) n-propylbenzene	11.35	91	46105	5.032	ug/l	100
79) 2-Chlorotoluene	11.42	91	30992	5.382	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	37240	5.356	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	3702	4.170	ug/l	91
82) 4-Chlorotoluene	11.51	91	35396	5.363	ug/l	98
83) tert-Butylbenzene	11.76	119	36175	5.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	36146	5.133	ug/l	98
85) sec-Butylbenzene	11.94	105	40662	5.174	ug/l	99
86) p-Isopropyltoluene	12.06	119	37383	5.129	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	18936	5.197	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	19786	5.361	ug/l	96
89) n-Butylbenzene	12.39	91	28407	4.638	ug/l	99
90) Hexachloroethane	12.59	117	5465	4.629	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	19362	5.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3272	5.040	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	10436	4.663	ug/l	99
94) Hexachlorobutadiene	13.78	225	4590	4.444	ug/l	90
95) Naphthalene	13.83	128	36504	4.706	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	11313	4.892	ug/l	97

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

