

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009380.D
 Acq On : 07 May 2019 16:31
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:26:15 AM

Quant Time: May 08 10:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:27:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	166829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	239534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	108362	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	5.50	113	78586	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	8.71	98	315374	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
62) 4-Bromofluorobenzene	11.13	95	107902	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	871	0.567	ug/l	72
3) Chloromethane	1.33	50	1629	0.776	ug/l #	78
4) Vinyl Chloride	1.40	62	1490	0.728	ug/l	98
6) Chloroethane	1.72	64	1171	0.891	ug/l #	88
7) Trichlorofluoromethane	1.93	101	1792	0.720	ug/l	98
8) Diethyl Ether	2.19	74	863	0.732	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1120	0.717	ug/l	96
12) 1,1-Dichloroethene	2.37	96	1078	0.689	ug/l	86
14) Allyl chloride	2.73	41	2696	0.707	ug/l	94
15) Acrylonitrile	3.15	53	4630	3.592	ug/l #	89
16) Acetone	2.45	43	5588	4.570	ug/l	97
17) Carbon Disulfide	2.57	76	2633	0.599	ug/l	97
18) Methyl Acetate	2.78	43	2623	0.902	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	4297	0.707	ug/l	98
20) Methylene Chloride	2.86	84	1553	0.784	ug/l #	87
21) trans-1,2-Dichloroethene	3.17	96	1166	0.687	ug/l	99
22) Diisopropyl ether	3.85	45	5591	0.762	ug/l #	83
23) Vinyl Acetate	3.82	43	19481	3.101	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	2665	0.736	ug/l #	91
25) 2-Butanone	4.69	43	7310	3.847	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1753	0.651	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	1377	0.680	ug/l	89
28) Bromochloromethane	5.02	49	1505	0.926	ug/l #	87
29) Tetrahydrofuran	5.15	42	4628	3.785	ug/l	97
30) Chloroform	5.22	83	2264	0.692	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	1794	0.658	ug/l #	47
36) 1,1-Dichloropropene	5.81	75	1909	0.756	ug/l	97
37) Ethyl Acetate	4.86	43	2016	0.573	ug/l #	79
38) Carbon Tetrachloride	5.79	117	1633	0.712	ug/l #	77
39) Methylcyclohexane	7.47	83	1842	0.594	ug/l	88
40) Benzene	6.15	78	5321	0.681	ug/l #	83
41) Methacrylonitrile	5.06	41	1408	0.673	ug/l #	67
42) 1,2-Dichloroethane	6.19	62	2219	0.792	ug/l	96
43) Isopropyl Acetate	6.45	43	3752	0.667	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	1262	0.668	ug/l	95
45) 1,2-Dichloropropane	7.52	63	1657	0.749	ug/l	97
46) Dibromomethane	7.66	93	940	0.732	ug/l	91
47) Bromodichloromethane	7.90	83	1688	0.659	ug/l #	89
48) Methyl methacrylate	7.77	41	1989	0.713	ug/l	99
49) 1,4-Dioxane	7.76	88	879	15.530	ug/l #	83
51) 4-Methyl-2-Pentanone	8.64	43	12303	3.346	ug/l	99
52) Toluene	8.78	92	3258	0.686	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	1740	0.601	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	1797	0.561	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	1377	0.711	ug/l	90
56) Ethyl methacrylate	9.18	69	2092	0.605	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	2317	0.680	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5406	2.947	ug/l	98
59) 2-Hexanone	9.49	43	9489	3.286	ug/l	97
60) Dibromochloromethane	9.59	129	1142	0.604	ug/l	94
61) 1,2-Dibromoethane	9.67	107	1182	0.604	ug/l	89
64) Tetrachloroethene	9.34	164	1160	0.706	ug/l	95
65) Chlorobenzene	10.14	112	3637	0.759	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.22	131	1155	0.665	ug/l #	65
67) Ethyl Benzene	10.26	91	5566	0.631	ug/l	93
68) m/p-Xylenes	10.36	106	4064	1.261	ug/l	99
69) o-Xylene	10.70	106	2010	0.632	ug/l	100
70) Styrene	10.71	104	3325	0.602	ug/l	99
71) Bromoform	10.86	173	848	0.601	ug/l #	97
73) Isopropylbenzene	11.02	105	5442	0.704	ug/l	97
74) N-amyl acetate	10.90	43	3015	0.669	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	2053	0.713	ug/l	94
76) 1,2,3-Trichloropropane	11.30	75	2087m	0.847	ug/l	
77) Bromobenzene	11.26	156	1397	0.728	ug/l	98
78) n-propylbenzene	11.36	91	5906	0.669	ug/l	96
79) 2-Chlorotoluene	11.42	91	3899	0.716	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	4304	0.661	ug/l	100
82) 4-Chlorotoluene	11.51	91	4378	0.712	ug/l	99
83) tert-Butylbenzene	11.77	119	4403	0.696	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	4153	0.636	ug/l	94
85) sec-Butylbenzene	11.94	105	4736	0.631	ug/l	94
86) p-Isopropyltoluene	12.06	119	4027	0.597	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	2368	0.693	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	2907m	0.843	ug/l	
89) n-Butylbenzene	12.39	91	3390	0.556	ug/l	97
90) Hexachloroethane	12.60	117	769	0.669	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	3920	1.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	516	0.798	ug/l	78
93) 1,2,4-Trichlorobenzene	13.65	180	1637	0.687	ug/l	94
94) Hexachlorobutadiene	13.78	225	772	0.635	ug/l	92
95) Naphthalene	13.83	128	4803	0.620	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1608	0.666	ug/l	96

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

