

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013075.D
 Acq On : 15 Oct 2019 14:07
 Operator : JC/SP
 Sample : K5111-09 0.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:35 AM

Quant Time: Oct 16 07:16:11 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	160202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	100576	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	78352	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	296433	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	107297	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	853	0.522	ug/l	81
3) Chloromethane	1.31	50	959	0.540	ug/l	98
4) Vinyl Chloride	1.40	62	850	0.463	ug/l	92
5) Bromomethane	1.63	94	883	1.158	ug/l	85
6) Chloroethane	1.71	64	963	0.892	ug/l #	67
7) Trichlorofluoromethane	1.92	101	1466	0.592	ug/l	87
8) Diethyl Ether	2.17	74	552	0.552	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	2.37	101	812	0.507	ug/l #	83
10) Methyl Iodide	2.50	142	914	0.580	ug/l #	84
11) Tert butyl alcohol	3.01	59	3824	7.204	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	869	0.537	ug/l #	71
13) Acrolein	2.29	56	714	1.893	ug/l	87
14) Allyl chloride	2.72	41	1401	0.486	ug/l	95
15) Acrylonitrile	3.14	53	2417	2.403	ug/l #	91
16) Acetone	2.43	43	2478	2.348	ug/l #	70
17) Carbon Disulfide	2.56	76	2162	0.468	ug/l	97
18) Methyl Acetate	2.76	43	1340	0.536	ug/l #	90
19) Methyl tert-butyl Ether	3.19	73	2876	0.514	ug/l	93
20) Methylene Chloride	2.85	84	1234	0.636	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	945	0.545	ug/l #	63
22) Diisopropyl ether	3.84	45	2856	0.517	ug/l #	66
23) Vinyl Acetate	3.81	43	9956	2.088	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	1538	0.495	ug/l #	81
25) 2-Butanone	4.67	43	3315	2.264	ug/l	91
26) 2,2-Dichloropropane	4.56	77	1207	0.462	ug/l	82
27) cis-1,2-Dichloroethene	4.58	96	1082	0.541	ug/l	71
28) Bromochloromethane	5.01	49	460	0.517	ug/l #	84
29) Tetrahydrofuran	5.12	42	2418	2.684	ug/l	89
30) Chloroform	5.19	83	2023	0.634	ug/l	89
31) Cyclohexane	5.56	56	1477	0.508	ug/l #	81
32) 1,1,1-Trichloroethane	5.50	97	1296	0.480	ug/l #	47
36) 1,1-Dichloropropene	5.79	75	1260	0.529	ug/l	87
37) Ethyl Acetate	4.83	43	1489m	0.559	ug/l	
38) Carbon Tetrachloride	5.78	117	1271	0.548	ug/l #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1459	0.505	ug/l #	86
40) Benzene	6.13	78	3712	0.527	ug/l	99
41) Methacrylonitrile	5.05	41	651	0.444	ug/l #	90
42) 1,2-Dichloroethane	6.18	62	1581	0.626	ug/l	82
43) Isopropyl Acetate	6.45	43	1857	0.434	ug/l	95
44) Trichloroethene	7.20	130	1050	0.538	ug/l	96
45) 1,2-Dichloropropane	7.51	63	968	0.539	ug/l #	21
46) Dibromomethane	7.66	93	572	0.478	ug/l #	83
47) Bromodichloromethane	7.89	83	1107	0.474	ug/l #	67
48) Methyl methacrylate	7.77	41	1034	0.496	ug/l #	83
49) 1,4-Dioxane	7.75	88	521	10.337	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	6179	2.317	ug/l	97
52) Toluene	8.78	92	2329	0.517	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1089	0.422	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	1232	0.429	ug/l #	84
55) 1,1,2-Trichloroethane	9.21	97	1067	0.599	ug/l #	88
56) Ethyl methacrylate	9.18	69	1171	0.406	ug/l #	88
57) 1,3-Dichloropropane	9.37	76	1544	0.501	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	2248	1.717	ug/l	97
59) 2-Hexanone	9.49	43	4552	2.192	ug/l	95
60) Dibromochloromethane	9.58	129	722	0.413	ug/l	92
61) 1,2-Dibromoethane	9.67	107	846	0.451	ug/l	98
64) Tetrachloroethene	9.33	164	842	0.506	ug/l #	78
65) Chlorobenzene	10.13	112	2377	0.499	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	777	0.470	ug/l #	57
67) Ethyl Benzene	10.25	91	4209	0.497	ug/l #	88
68) m/p-Xylenes	10.35	106	2878	0.910	ug/l	89
69) o-Xylene	10.69	106	1455	0.472	ug/l	98
70) Styrene	10.71	104	2192	0.418	ug/l	90
71) Bromoform	10.85	173	461	0.387	ug/l #	77
73) Isopropylbenzene	11.02	105	3858	0.508	ug/l	98
74) N-amyl acetate	10.90	43	1502	0.459	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	1238	0.490	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	1265m	0.552	ug/l	
77) Bromobenzene	11.25	156	954	0.533	ug/l	88
78) n-propylbenzene	11.35	91	4120	0.493	ug/l	99
79) 2-Chlorotoluene	11.42	91	2766	0.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.50	105	3272	0.516	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.07	75	254m	0.313	ug/l	
82) 4-Chlorotoluene	11.51	91	3070	0.510	ug/l	99
83) tert-Butylbenzene	11.77	119	3073	0.496	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2960	0.460	ug/l	97
85) sec-Butylbenzene	11.94	105	3314	0.462	ug/l	100
86) p-Isopropyltoluene	12.06	119	2952	0.444	ug/l	91
87) 1,3-Dichlorobenzene	12.03	146	1616	0.486	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	1815m	0.539	ug/l	
89) n-Butylbenzene	12.39	91	2266	0.405	ug/l	95
90) Hexachloroethane	12.59	117	433	0.402	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	1652	0.507	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	244	0.412	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	871	0.426	ug/l	89
94) Hexachlorobutadiene	13.78	225	405	0.430	ug/l	92
95) Naphthalene	13.84	128	2526	0.357	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	1006	0.477	ug/l	91

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

