

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013081.D
 Acq On : 15 Oct 2019 16:27
 Operator : JC/SP
 Sample : K5111-07 0.5PPB LOD-MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:12 AM

Quant Time: Oct 16 07:23:24 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	178643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	104823	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.49	113	82069	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.71	98	305903	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
62) 4-Bromofluorobenzene	11.14	95	114114	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	653	0.359	ug/l	100
3) Chloromethane	1.32	50	885	0.447	ug/l #	81
4) Vinyl Chloride	1.40	62	864	0.422	ug/l #	82
5) Bromomethane	1.64	94	708	0.833	ug/l	94
6) Chloroethane	1.72	64	1496	1.243	ug/l	99
7) Trichlorofluoromethane	1.93	101	1161	0.421	ug/l	86
8) Diethyl Ether	2.18	74	427	0.383	ug/l #	15
9) 1,1,2-Trichlorotrifluoroet	2.37	101	858	0.480	ug/l	92
10) Methyl Iodide	2.50	142	691	0.393	ug/l #	87
11) Tert butyl alcohol	3.00	59	3340	5.643	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	695	0.385	ug/l #	75
13) Acrolein	2.28	56	791	1.880	ug/l #	79
14) Allyl chloride	2.72	41	1277	0.397	ug/l	98
15) Acrylonitrile	3.13	53	2095	1.868	ug/l	92
16) Acetone	2.44	43	2480	2.107	ug/l	90
17) Carbon Disulfide	2.56	76	1740	0.338	ug/l #	84
18) Methyl Acetate	2.76	43	1345	0.482	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	2667	0.428	ug/l #	82
20) Methylene Chloride	2.85	84	1633	0.755	ug/l #	81
21) trans-1,2-Dichloroethene	3.16	96	879	0.454	ug/l #	93
22) Diisopropyl ether	3.85	45	2345	0.381	ug/l #	97
23) Vinyl Acetate	3.81	43	8567	1.611	ug/l	100
24) 1,1-Dichloroethane	3.69	63	1333	0.385	ug/l #	81
25) 2-Butanone	4.67	43	3219	1.971	ug/l	98
26) 2,2-Dichloropropane	4.57	77	1095	0.376	ug/l	85
27) cis-1,2-Dichloroethene	4.59	96	1218	0.546	ug/l	75
28) Bromochloromethane	5.01	49	374	0.377	ug/l #	92
29) Tetrahydrofuran	5.13	42	2010	2.000	ug/l	89
30) Chloroform	5.19	83	1660	0.467	ug/l	96
31) Cyclohexane	5.58	56	1298	0.401	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	1243	0.413	ug/l #	47
36) 1,1-Dichloropropene	5.79	75	1259	0.470	ug/l #	84
37) Ethyl Acetate	4.85	43	1498m	0.501	ug/l	
38) Carbon Tetrachloride	5.78	117	1080	0.415	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	1228	0.378	ug/l #	78
40) Benzene	6.14	78	3209	0.406	ug/l #	85
41) Methacrylonitrile	5.04	41	572	0.348	ug/l #	67
42) 1,2-Dichloroethane	6.20	62	1364	0.481	ug/l #	73
43) Isopropyl Acetate	6.44	43	1693	0.352	ug/l #	91
44) Trichloroethene	7.21	130	1438	0.656	ug/l	60
45) 1,2-Dichloropropane	7.52	63	848	0.421	ug/l #	80
46) Dibromomethane	7.67	93	465	0.346	ug/l	88
47) Bromodichloromethane	7.90	83	976	0.373	ug/l #	90
48) Methyl methacrylate	7.77	41	857	0.366	ug/l	88
49) 1,4-Dioxane	7.75	88	414	7.316	ug/l #	92
51) 4-Methyl-2-Pentanone	8.64	43	5085	1.698	ug/l	99
52) Toluene	8.78	92	2115	0.418	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	964	0.332	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	1101	0.342	ug/l #	68
55) 1,1,2-Trichloroethane	9.21	97	761	0.380	ug/l #	71
56) Ethyl methacrylate	9.18	69	1110	0.343	ug/l	91
57) 1,3-Dichloropropane	9.37	76	1264	0.365	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	2287	1.556	ug/l	97
59) 2-Hexanone	9.50	43	3688	1.582	ug/l	97
60) Dibromochloromethane	9.58	129	632	0.322	ug/l	93
61) 1,2-Dibromoethane	9.67	107	763	0.362	ug/l	98
64) Tetrachloroethene	9.33	164	916	0.498	ug/l #	85
65) Chlorobenzene	10.14	112	2161	0.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	662	0.362	ug/l #	64
67) Ethyl Benzene	10.25	91	3630	0.388	ug/l #	83
68) m/p-Xylenes	10.36	106	2434	0.696	ug/l	99
69) o-Xylene	10.70	106	1233	0.361	ug/l	96
70) Styrene	10.71	104	1963	0.339	ug/l	90
71) Bromoform	10.85	173	427	0.324	ug/l #	29
73) Isopropylbenzene	11.01	105	3330	0.389	ug/l	98
74) N-amyl acetate	10.90	43	1211	0.328	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	977	0.343	ug/l	85
76) 1,2,3-Trichloropropane	11.29	75	977m	0.378	ug/l	
77) Bromobenzene	11.26	156	846	0.419	ug/l	96
78) n-propylbenzene	11.35	91	3584	0.380	ug/l	99
79) 2-Chlorotoluene	11.42	91	2277	0.384	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	2647	0.370	ug/l	92
82) 4-Chlorotoluene	11.51	91	2555	0.376	ug/l	98
83) tert-Butylbenzene	11.77	119	2526	0.362	ug/l	81
84) 1,2,4-Trimethylbenzene	11.81	105	2439	0.337	ug/l	95
85) sec-Butylbenzene	11.94	105	2764	0.342	ug/l	99
86) p-Isopropyltoluene	12.06	119	2618	0.349	ug/l	83
87) 1,3-Dichlorobenzene	12.02	146	1441	0.384	ug/l	91
88) 1,4-Dichlorobenzene	12.09	146	1672m	0.440	ug/l	
89) n-Butylbenzene	12.39	91	1855	0.294	ug/l	89
90) Hexachloroethane	12.60	117	413	0.340	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	1351	0.368	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	215	0.322	ug/l	73
93) 1,2,4-Trichlorobenzene	13.64	180	881	0.383	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	431	0.406	ug/l	95
95) Naphthalene	13.83	128	2381	0.298	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.02	180	740	0.311	ug/l	94

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

