

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000063.D
 Acq On : 12 Feb 2018 13:58
 Operator : JC/MD
 Sample : MDL 01 0.75PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 01 0.75PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 11:44:42 AM

Quant Time: Feb 16 11:35:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	104994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	69102	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	57960	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.73	98	216647	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.15	95	87091	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1026	0.89	ug/l	96
3) Chloromethane	1.32	50	955	0.82	ug/l #	82
4) Vinyl Chloride	1.41	62	1050	0.80	ug/l #	81
5) Bromomethane	1.65	94	1197	1.70	ug/l #	69
6) Chloroethane	1.73	64	1021m	1.29	ug/l	
7) Trichlorofluoromethane	1.94	101	2006	0.87	ug/l	86
8) Diethyl Ether	2.20	74	670	0.81	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1212	0.94	ug/l	87
10) Methyl Iodide	2.52	142	1037	2.33	ug/l #	94
11) Tert butyl alcohol	3.07	59	2434	4.60	ug/l #	75
12) 1,1-Dichloroethene	2.39	96	1038	0.85	ug/l	83
13) Acrolein	2.29	56	1439	5.30	ug/l #	64
14) Allyl chloride	2.73	41	1921	0.90	ug/l #	89
15) Acrylonitrile	3.16	53	4338	4.70	ug/l	93
16) Acetone	2.45	43	4168	5.32	ug/l	91
17) Carbon Disulfide	2.57	76	3014	0.84	ug/l #	94
18) Methyl Acetate	2.79	43	2081	1.05	ug/l	93
19) Methyl tert-butyl Ether	3.22	73	3709	0.88	ug/l #	89
20) Methylene Chloride	2.87	84	1357	1.04	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	1186	0.90	ug/l	92
22) Diisopropyl ether	3.87	45	2775	0.79	ug/l #	82
23) Vinyl Acetate	3.84	43	12119	3.79	ug/l	96
24) 1,1-Dichloroethane	3.71	63	1923	0.88	ug/l #	94
25) 2-Butanone	4.71	43	5680	4.81	ug/l	91
26) 2,2-Dichloropropane	4.60	77	1641	0.87	ug/l	79
27) cis-1,2-Dichloroethene	4.61	96	975	0.75	ug/l	91
28) Bromochloromethane	5.04	49	779	1.07	ug/l #	84
29) Tetrahydrofuran	5.19	42	3907	4.82	ug/l	97
30) Chloroform	5.23	83	1799	0.81	ug/l	90
31) Cyclohexane	5.59	56	1665	0.92	ug/l #	93
32) 1,1,1-Trichloroethane	5.51	97	1600	0.77	ug/l #	50
36) 1,1-Dichloropropene	5.81	75	1614	0.91	ug/l #	84
37) Ethyl Acetate	4.88	43	2240	0.98	ug/l #	81
38) Carbon Tetrachloride	5.79	117	1659	0.84	ug/l #	93

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39) Methylcyclohexane	7.47	83	1658	0.77	ug/l #	92
40) Benzene	6.15	78	3864	0.77	ug/l	91
41) Methacrylonitrile	5.08	41	1248m	1.06	ug/l	
42) 1,2-Dichloroethane	6.21	62	1393	0.78	ug/l	79
43) Isopropyl Acetate	6.48	43	2864	0.83	ug/l #	93
44) Trichloroethene	7.23	130	1229	0.79	ug/l	77
45) 1,2-Dichloropropane	7.53	63	1010	0.83	ug/l	95
46) Dibromomethane	7.68	93	754	0.80	ug/l	88
47) Bromodichloromethane	7.91	83	1436	0.79	ug/l	91
48) Methyl methacrylate	7.79	41	1587	0.94	ug/l #	83
49) 1,4-Dioxane	7.77	88	730	16.21	ug/l #	85
51) 4-Methyl-2-Pentanone	8.66	43	9643	4.02	ug/l	94
52) Toluene	8.79	92	2402	0.72	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	1592	0.75	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	1503	0.72	ug/l	88
55) 1,1,2-Trichloroethane	9.23	97	1107	0.79	ug/l	96
56) Ethyl methacrylate	9.19	69	1490	0.69	ug/l #	79
57) 1,3-Dichloropropane	9.38	76	1681	0.77	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.32	63	4329	4.06	ug/l	98
59) 2-Hexanone	9.51	43	7672	3.93	ug/l	96
60) Dibromochloromethane	9.59	129	1059	0.65	ug/l	96
61) 1,2-Dibromoethane	9.68	107	1153	0.74	ug/l	94
64) Tetrachloroethene	9.34	164	960	0.67	ug/l #	83
65) Chlorobenzene	10.15	112	3047	0.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	912	0.64	ug/l #	66
67) Ethyl Benzene	10.26	91	4995	0.76	ug/l	89
68) m/p-Xylenes	10.37	106	3830	1.46	ug/l	92
69) o-Xylene	10.71	106	1932	0.76	ug/l	100
70) Styrene	10.72	104	3068	0.72	ug/l	98
71) Bromoform	10.87	173	765	0.57	ug/l #	94
73) Isopropylbenzene	11.02	105	5104	0.77	ug/l	96
74) N-amyl acetate	6.48	43	2864	0.86	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	1768	0.78	ug/l	96
76) 1,2,3-Trichloropropane	11.31	75	2308	1.17	ug/l	78
77) Bromobenzene	11.26	156	1415	0.78	ug/l	88
78) n-propylbenzene	11.37	91	6305	0.82	ug/l	98
79) 2-Chlorotoluene	11.43	91	3552	0.80	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	4219	0.76	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	496m	0.62	ug/l	
82) 4-Chlorotoluene	11.52	91	4302	0.81	ug/l	99
83) tert-Butylbenzene	11.78	119	4423	0.78	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	4515	0.79	ug/l	98
85) sec-Butylbenzene	11.96	105	5339	0.77	ug/l	93
86) p-Isopropyltoluene	12.07	119	4707	0.75	ug/l	89
87) 1,3-Dichlorobenzene	12.04	146	2731	0.80	ug/l	97
88) 1,4-Dichlorobenzene	12.11	146	2840m	0.81	ug/l	
89) n-Butylbenzene	12.40	91	4549	0.78	ug/l	94
90) Hexachloroethane	12.60	117	725	0.66	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	2550	0.77	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	539	0.83	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2014	0.79	ug/l	99
94) Hexachlorobutadiene	13.79	225	910	0.76	ug/l	100
95) Naphthalene	13.85	128	6487	0.78	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1925	0.78	ug/l	92

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

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