

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000075.D
 Acq On : 13 Feb 2018 14:29
 Operator : JC/MD
 Sample : MDL07 0.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL07 0.5PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:27:59 PM

Quant Time: Feb 14 03:15:53 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	112495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	183637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	173770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61476	52.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	5.51	113	50364	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	8.73	98	191194	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.15	95	76317	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	518	0.51	ug/l	96
3) Chloromethane	1.32	50	645	0.62	ug/l	95
4) Vinyl Chloride	1.41	62	735	0.63	ug/l	89
5) Bromomethane	1.65	94	732	1.17	ug/l	90
6) Chloroethane	1.73	64	777	1.10	ug/l	89
7) Trichlorofluoromethane	1.94	101	1115	0.55	ug/l	87
8) Diethyl Ether	2.19	74	396	0.54	ug/l #	38
9) 1,1,2-Trichlorotrifluoroet	2.39	101	632	0.55	ug/l	95
10) Methyl Iodide	2.52	142	786	2.24	ug/l	95
11) Tert butyl alcohol	3.06	59	1706	3.63	ug/l	96
12) 1,1-Dichloroethene	2.39	96	656	0.60	ug/l #	77
13) Acrolein	2.30	56	825	3.42	ug/l #	51
14) Allyl chloride	2.74	41	1555	0.82	ug/l #	84
15) Acrylonitrile	3.15	53	2533	3.09	ug/l	95
16) Acetone	2.45	43	2611	3.75	ug/l #	88
17) Carbon Disulfide	2.58	76	2207	0.69	ug/l	97
18) Methyl Acetate	2.78	43	1717	0.98	ug/l #	79
19) Methyl tert-butyl Ether	3.21	73	2176	0.58	ug/l	96
20) Methylene Chloride	2.86	84	728	0.62	ug/l #	92
21) trans-1,2-Dichloroethene	3.17	96	753	0.64	ug/l #	88
22) Diisopropyl ether	3.88	45	2274	0.72	ug/l #	77
23) Vinyl Acetate	3.83	43	9387	3.31	ug/l	99
24) 1,1-Dichloroethane	3.70	63	1192	0.61	ug/l #	83
25) 2-Butanone	4.71	43	3654	3.48	ug/l #	84
26) 2,2-Dichloropropane	4.60	77	987	0.59	ug/l #	68
27) cis-1,2-Dichloroethene	4.60	96	687	0.60	ug/l	95
28) Bromochloromethane	5.04	49	426	0.66	ug/l #	89
29) Tetrahydrofuran	5.17	42	2602	3.62	ug/l	96
30) Chloroform	5.22	83	1134	0.58	ug/l	87
31) Cyclohexane	5.58	56	918m	0.57	ug/l	
32) 1,1,1-Trichloroethane	5.51	97	1116	0.60	ug/l #	46
36) 1,1-Dichloropropene	5.81	75	923	0.58	ug/l	87
37) Ethyl Acetate	4.87	43	1584	0.77	ug/l #	80
38) Carbon Tetrachloride	5.79	117	1025	0.57	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	1036	0.53	ug/l	88
40) Benzene	6.16	78	2565	0.57	ug/l	96
41) Methacrylonitrile	5.07	41	850	0.80	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	979	0.61	ug/l	83
43) Isopropyl Acetate	6.47	43	1906	0.61	ug/l #	93
44) Trichloroethene	7.21	130	753	0.54	ug/l	83
45) 1,2-Dichloropropane	7.53	63	675	0.61	ug/l	95
46) Dibromomethane	7.67	93	554	0.65	ug/l #	75
47) Bromodichloromethane	7.91	83	899	0.55	ug/l #	93
48) Methyl methacrylate	7.79	41	879	0.58	ug/l	95
49) 1,4-Dioxane	7.77	88	319	7.84	ug/l #	61
51) 4-Methyl-2-Pentanone	8.66	43	6116	2.82	ug/l	90
52) Toluene	8.79	92	1740	0.57	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	1079	0.56	ug/l #	80
54) cis-1,3-Dichloropropene	9.05	75	1069	0.57	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	676	0.53	ug/l #	85
56) Ethyl methacrylate	9.19	69	928	0.48	ug/l #	63
57) 1,3-Dichloropropane	9.38	76	1056	0.53	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	2389	2.48	ug/l	99
59) 2-Hexanone	9.51	43	5004	2.84	ug/l	100
60) Dibromochloromethane	9.59	129	628	0.43	ug/l	88
61) 1,2-Dibromoethane	9.68	107	714	0.51	ug/l	91
64) Tetrachloroethene	9.35	164	713	0.55	ug/l #	68
65) Chlorobenzene	10.15	112	2072	0.57	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	751	0.58	ug/l #	55
67) Ethyl Benzene	10.26	91	3124	0.52	ug/l	90
68) m/p-Xylenes	10.37	106	2470	1.04	ug/l	89
69) o-Xylene	10.71	106	1349	0.59	ug/l	89
70) Styrene	10.72	104	1762	0.45	ug/l	89
71) Bromoform	10.87	173	556	0.45	ug/l #	69
73) Isopropylbenzene	11.02	105	3265	0.55	ug/l	97
74) N-amyl acetate	6.47	43	1906	0.64	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.28	83	1097	0.54	ug/l	95
76) 1,2,3-Trichloropropane	11.31	75	983m	0.56	ug/l	
77) Bromobenzene	11.26	156	910	0.56	ug/l	93
78) n-propylbenzene	11.37	91	4114	0.60	ug/l	99
79) 2-Chlorotoluene	11.43	91	2256	0.57	ug/l	92
80) 1,3,5-Trimethylbenzene	11.52	105	2678	0.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	330m	0.46	ug/l	
82) 4-Chlorotoluene	11.52	91	2849	0.60	ug/l	100
83) tert-Butylbenzene	11.78	119	2859	0.57	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	2934	0.58	ug/l	89
85) sec-Butylbenzene	11.96	105	3174	0.51	ug/l	97
86) p-Isopropyltoluene	12.07	119	2930	0.53	ug/l	87
87) 1,3-Dichlorobenzene	12.03	146	1872	0.62	ug/l	94
88) 1,4-Dichlorobenzene	12.11	146	1894m	0.61	ug/l	
89) n-Butylbenzene	12.40	91	3025	0.58	ug/l	97
90) Hexachloroethane	12.61	117	450	0.46	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1652	0.56	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	278	0.48	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	1337	0.59	ug/l	96
94) Hexachlorobutadiene	13.79	225	525	0.49	ug/l	91
95) Naphthalene	13.85	128	4244	0.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1340	0.61	ug/l	89

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

