

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000080.D
 Acq On : 13 Feb 2018 17:20
 Operator : JC/MD
 Sample : MDL05 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL05 2.00PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:04 PM

Quant Time: Feb 14 03:32:49 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	5.68	168	101960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170448	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	162221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	86877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	61036	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
35) Dibromofluoromethane	5.51	113	49572	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.73	98	186092	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.15	95	73502	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2052	2.22	ug/l	95
3) Chloromethane	1.33	50	2088	2.22	ug/l	97
4) Vinyl Chloride	1.41	62	2428	2.29	ug/l	99
5) Bromomethane	1.65	94	2353	4.15	ug/l	98
6) Chloroethane	1.73	64	2319	3.64	ug/l	97
7) Trichlorofluoromethane	1.94	101	4117	2.23	ug/l	95
8) Diethyl Ether	2.20	74	1460	2.18	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2258	2.16	ug/l	94
10) Methyl Iodide	2.52	142	1794	3.06	ug/l	98
11) Tert butyl alcohol	3.07	59	5643	13.24	ug/l	95
12) 1,1-Dichloroethene	2.38	96	2125	2.15	ug/l	85
13) Acrolein	2.30	56	2720	12.43	ug/l	97
14) Allyl chloride	2.73	41	4313	2.50	ug/l	92
15) Acrylonitrile	3.16	53	8829	11.89	ug/l	96
16) Acetone	2.45	43	8752	13.88	ug/l	98
17) Carbon Disulfide	2.58	76	6094	2.11	ug/l	98
18) Methyl Acetate	2.79	43	4667	2.93	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	7659	2.26	ug/l #	89
20) Methylene Chloride	2.86	84	2541	2.41	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	2145	2.01	ug/l	88
22) Diisopropyl ether	3.89	45	6037	2.12	ug/l	91
23) Vinyl Acetate	3.84	43	29643	11.52	ug/l #	94
24) 1,1-Dichloroethane	3.71	63	4156	2.35	ug/l #	93
25) 2-Butanone	4.73	43	12018	12.63	ug/l	97
26) 2,2-Dichloropropane	4.60	77	3267	2.15	ug/l #	68
27) cis-1,2-Dichloroethene	4.61	96	2206	2.11	ug/l	93
29) Tetrahydrofuran	5.18	42	7972	12.22	ug/l	97
30) Chloroform	5.23	83	3853	2.16	ug/l	99
31) Cyclohexane	5.59	56	3118	2.15	ug/l	85
32) 1,1,1-Trichloroethane	5.51	97	3526	2.10	ug/l	95
36) 1,1-Dichloropropene	5.81	75	3016	2.03	ug/l	94
37) Ethyl Acetate	4.88	43	4226	2.21	ug/l	95
38) Carbon Tetrachloride	5.80	117	3355	2.01	ug/l #	83
39) Methylcyclohexane	7.48	83	3289	1.83	ug/l	93

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000080.D
 Acq On : 13 Feb 2018 17:20
 Operator : JC/MD
 Sample : MDL05 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL05 2.00PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:04 PM

Quant Time: Feb 14 03:32:49 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)
40) Benzene	6.15	78	8592	2.05	ug/l	98
41) Methacrylonitrile	5.07	41	2262	2.30	ug/l	94
42) 1,2-Dichloroethane	6.21	62	3058	2.04	ug/l	100
43) Isopropyl Acetate	6.48	43	6103	2.11	ug/l	97
44) Trichloroethene	7.22	130	2554	1.97	ug/l	100
45) 1,2-Dichloropropane	7.53	63	2225	2.18	ug/l	95
46) Dibromomethane	7.68	93	1689	2.15	ug/l	87
47) Bromodichloromethane	7.90	83	3109	2.03	ug/l #	85
48) Methyl methacrylate	7.79	41	2943	2.07	ug/l	89
49) 1,4-Dioxane	7.78	88	1411	37.35	ug/l #	93
51) 4-Methyl-2-Pentanone	8.66	43	20934	10.40	ug/l	96
52) Toluene	8.79	92	5708	2.03	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	3320	1.85	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	3167	1.82	ug/l #	87
55) 1,1,2-Trichloroethane	9.23	97	2299	1.95	ug/l	91
56) Ethyl methacrylate	9.19	69	3356	1.85	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	3845	2.09	ug/l	99
59) 2-Hexanone	9.51	43	17449	10.66	ug/l	97
60) Dibromochloromethane	9.59	129	2306	1.70	ug/l	98
61) 1,2-Dibromoethane	9.68	107	2539	1.95	ug/l	99
64) Tetrachloroethene	9.34	164	2232	1.85	ug/l	94
65) Chlorobenzene	10.15	112	6679	1.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	2119	1.75	ug/l	88
67) Ethyl Benzene	10.26	91	10860	1.94	ug/l	98
68) m/p-Xylenes	10.37	106	8211	3.69	ug/l	95
69) o-Xylene	10.71	106	4160	1.94	ug/l	97
70) Styrene	10.72	104	6501	1.79	ug/l	95
71) Bromoform	10.87	173	1800	1.57	ug/l #	98
73) Isopropylbenzene	11.02	105	11184	2.03	ug/l	99
74) N-amyl acetate	6.48	43	6103	2.21	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	3866	2.06	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	4663	2.85	ug/l	81
77) Bromobenzene	11.26	156	2959	1.98	ug/l	93
78) n-propylbenzene	11.37	91	12877	2.01	ug/l	100
79) 2-Chlorotoluene	11.43	91	7861	2.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	8905	1.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	1024m	1.55	ug/l	
82) 4-Chlorotoluene	11.52	91	9338	2.11	ug/l	99
83) tert-Butylbenzene	11.78	119	9127	1.96	ug/l	95
84) 1,2,4-Trimethylbenzene	11.82	105	9501	2.01	ug/l	98
85) sec-Butylbenzene	11.96	105	11492	2.00	ug/l	94
86) p-Isopropyltoluene	12.07	119	10050	1.95	ug/l	95
87) 1,3-Dichlorobenzene	12.04	146	5563	1.97	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	5835m	2.02	ug/l	
89) n-Butylbenzene	12.40	91	9435	1.96	ug/l	99
90) Hexachloroethane	12.60	117	1623	1.80	ug/l	86
91) 1,2-Dichlorobenzene	12.40	146	5522	2.00	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1059	1.97	ug/l	96
93) 1,2,4-Trichlorobenzene	13.66	180	4006	1.90	ug/l	95
94) Hexachlorobutadiene	13.79	225	1887	1.90	ug/l	95

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
Data File : VX000080.D
Acq On : 13 Feb 2018 17:20
Operator : JC/MD
Sample : MDL05 2.00PPB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ClientSampleId :
MDL05 2.00PPB

Manual Integrations
APPROVED

MMDadoda
2/16/2018 2:28:04 PM

Quant Time: Feb 14 03:32:49 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)
95) Naphthalene	13.84	128	14102	2.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	3979	1.94	ug/l	97

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

