

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000068.D
 Acq On : 12 Feb 2018 16:20
 Operator : JC/MD
 Sample : MDL 03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 03

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:16 PM

Quant Time: Feb 13 03:58:51 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	110329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	175924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	91960	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	62126	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
35) Dibromofluoromethane	5.51	113	51932	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	8.73	98	190780	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.15	95	76656	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2157	2.16	ug/l	100
3) Chloromethane	1.33	50	2337	2.30	ug/l	94
4) Vinyl Chloride	1.41	62	2482	2.16	ug/l	99
5) Bromomethane	1.64	94	2628	4.29	ug/l	86
6) Chloroethane	1.73	64	2447	3.55	ug/l	94
7) Trichlorofluoromethane	1.93	101	4595	2.30	ug/l	90
8) Diethyl Ether	2.20	74	1647	2.28	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2574	2.28	ug/l	89
10) Methyl Iodide	2.52	142	2028	3.13	ug/l	98
11) Tert butyl alcohol	3.08	59	5650	12.25	ug/l #	87
12) 1,1-Dichloroethene	2.39	96	2203	2.06	ug/l #	80
13) Acrolein	2.30	56	2952	12.47	ug/l	85
14) Allyl chloride	2.73	41	4218	2.26	ug/l	97
15) Acrylonitrile	3.16	53	9610	11.96	ug/l	95
16) Acetone	2.46	43	8921	13.07	ug/l	92
17) Carbon Disulfide	2.57	76	6431	2.06	ug/l	96
18) Methyl Acetate	2.79	43	4246	2.47	ug/l	98
19) Methyl tert-butyl Ether	3.22	73	7937	2.17	ug/l	94
20) Methylene Chloride	2.87	84	2668	2.33	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	2498	2.17	ug/l	91
22) Diisopropyl ether	3.89	45	6384	2.07	ug/l #	90
23) Vinyl Acetate	3.84	43	27688	9.94	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3885	2.03	ug/l	99
25) 2-Butanone	4.73	43	12459	12.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	3450	2.10	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	2281	2.02	ug/l	80
28) Bromochloromethane	5.03	49	1634	2.57	ug/l #	87
29) Tetrahydrofuran	5.18	42	8323	11.79	ug/l	96
30) Chloroform	5.23	83	4011	2.08	ug/l	100
31) Cyclohexane	5.59	56	3289	2.09	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	3764	2.07	ug/l	98
36) 1,1-Dichloropropene	5.81	75	3133	1.92	ug/l	96
37) Ethyl Acetate	4.87	43	4722	2.25	ug/l	98
38) Carbon Tetrachloride	5.81	117	3325	1.82	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000068.D
 Acq On : 12 Feb 2018 16:20
 Operator : JC/MD
 Sample : MDL 03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL 03

Manual Integrations
 APPROVED

MM Dadoda
 2/15/2018 6:05:16 PM

Quant Time: Feb 13 03:58:51 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)
39) Methylcyclohexane	7.47	83	3654	1.85	ug/l	90
40) Benzene	6.16	78	8601	1.87	ug/l	98
41) Methacrylonitrile	5.07	41	1616m	1.50	ug/l	
42) 1,2-Dichloroethane	6.21	62	3071	1.87	ug/l	85
43) Isopropyl Acetate	6.48	43	6696	2.11	ug/l #	93
44) Trichloroethene	7.23	130	2661	1.87	ug/l	92
45) 1,2-Dichloropropane	7.52	63	2231	1.99	ug/l #	87
46) Dibromomethane	7.68	93	1706	1.97	ug/l	93
47) Bromodichloromethane	7.91	83	3144	1.87	ug/l #	97
48) Methyl methacrylate	7.79	41	3139	2.02	ug/l	89
49) 1,4-Dioxane	7.77	88	1634	39.41	ug/l #	94
51) 4-Methyl-2-Pentanone	8.66	43	21944	9.93	ug/l	96
52) Toluene	8.79	92	5908	1.91	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	3531	1.80	ug/l	99
54) cis-1,3-Dichloropropene	9.06	75	3328	1.74	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	2478	1.91	ug/l	96
56) Ethyl methacrylate	9.19	69	3605	1.81	ug/l	92
57) 1,3-Dichloropropane	9.38	76	4083	2.02	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	9772	9.95	ug/l	99
59) 2-Hexanone	9.51	43	18738	10.43	ug/l	95
60) Dibromochloromethane	9.59	129	2523	1.69	ug/l	96
61) 1,2-Dibromoethane	9.68	107	2596	1.82	ug/l	99
64) Tetrachloroethene	9.34	164	2177	1.66	ug/l	93
65) Chlorobenzene	10.15	112	7047	1.93	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	2324	1.77	ug/l #	65
67) Ethyl Benzene	10.26	91	11689	1.93	ug/l	96
68) m/p-Xylenes	10.37	106	8990	3.72	ug/l	97
69) o-Xylene	10.71	106	4270	1.83	ug/l	97
70) Styrene	10.72	104	6856	1.74	ug/l	95
71) Bromoform	10.87	173	1778	1.43	ug/l #	100
73) Isopropylbenzene	11.02	105	11715	2.01	ug/l	96
74) N-amyl acetate	6.48	43	6696	2.29	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.28	83	3960	1.99	ug/l	99
76) 1,2,3-Trichloropropane	11.31	75	3674m	2.12	ug/l	
77) Bromobenzene	11.26	156	2964	1.87	ug/l	90
78) n-propylbenzene	11.37	91	13931	2.06	ug/l	95
79) 2-Chlorotoluene	11.43	91	7945	2.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9601	1.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	1095m	1.56	ug/l	
82) 4-Chlorotoluene	11.52	91	9196	1.97	ug/l	99
83) tert-Butylbenzene	11.78	119	9910	2.01	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	10423	2.08	ug/l	89
85) sec-Butylbenzene	11.96	105	11979	1.97	ug/l	100
86) p-Isopropyltoluene	12.07	119	10769	1.97	ug/l	96
87) 1,3-Dichlorobenzene	12.04	146	5720	1.92	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	5875m	1.92	ug/l	
89) n-Butylbenzene	12.40	91	9909	1.94	ug/l	99
90) Hexachloroethane	12.60	117	1614	1.69	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	5619	1.93	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1239	2.18	ug/l	80

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
Data File : VX000068.D
Acq On : 12 Feb 2018 16:20
Operator : JC/MD
Sample : MDL 03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ClientSampled :
MDL 03

Manual Integrations
APPROVED

MMDadoda
2/15/2018 6:05:16 PM

Quant Time: Feb 13 03:58:51 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)
93) 1,2,4-Trichlorobenzene	13.66	180	4424	1.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	1925	1.83	ug/l	98
95) Naphthalene	13.84	128	14681	2.02	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	4192	1.93	ug/l	98

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

```
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\  
Data File : VX000068.D  
Acq On    : 12 Feb 2018  16:20  
Operator  : JC/MD  
Sample    : MDL 03  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 12      Sample Multiplier: 1
```

Instrument :
ClientSampleId :
MDL 03

Manual Integrations APPROVED

MMDadoda
2/15/2018 6:05:16 PM

Quant Time: Feb 13 03:58:51 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

