

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001765.D
 Acq On : 16 May 2018 15:33
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202093	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	5.51	113	172581	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	8.72	98	647380	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.14	95	207004	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61655	19.63	ug/l	99
3) Chloromethane	1.32	50	69610	20.52	ug/l	99
4) Vinyl Chloride	1.40	62	73052	19.92	ug/l	100
5) Bromomethane	1.64	94	39811	24.15	ug/l	95
6) Chloroethane	1.72	64	48026	20.79	ug/l	98
7) Trichlorofluoromethane	1.93	101	108160	20.30	ug/l	99
8) Diethyl Ether	2.19	74	43794	19.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66901	20.85	ug/l	98
10) Methyl Iodide	2.51	142	70051	23.73	ug/l	99
11) Tert butyl alcohol	3.07	59	81161	108.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60034	19.41	ug/l	100
13) Acrolein	2.29	56	50290	95.22	ug/l	100
14) Allyl chloride	2.73	41	113519	19.86	ug/l	98
15) Acrylonitrile	3.15	53	189912	101.54	ug/l	99
16) Acetone	2.45	43	162956	98.92	ug/l	100
17) Carbon Disulfide	2.57	76	144482	17.91	ug/l	100
18) Methyl Acetate	2.78	43	103644	21.52	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	207390	19.89	ug/l	99
20) Methylene Chloride	2.86	84	69992	19.85	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	64837	19.03	ug/l	99
22) Diisopropyl ether	3.88	45	210443	19.19	ug/l	98
23) Vinyl Acetate	3.83	43	723750	91.59	ug/l	100
24) 1,1-Dichloroethane	3.70	63	121699	20.23	ug/l	99
25) 2-Butanone	4.71	43	257372	102.04	ug/l	97
26) 2,2-Dichloropropane	4.59	77	88970	18.37	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	74709	19.27	ug/l	99
28) Bromochloromethane	5.03	49	55627	20.82	ug/l	99
29) Tetrahydrofuran	5.17	42	164308	99.94	ug/l	100
30) Chloroform	5.22	83	126745	20.06	ug/l	99
31) Cyclohexane	5.58	56	107534	20.40	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	109709	20.10	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90682	19.79	ug/l	99
37) Ethyl Acetate	4.87	43	98170	20.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	98988	20.62	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001765.D
 Acq On : 16 May 2018 15:33
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111091	20.75	ug/l	98
40) Benzene	6.15	78	281962	20.89	ug/l	99
41) Methacrylonitrile	5.07	41	56014	20.29	ug/l	99
42) 1,2-Dichloroethane	6.20	62	100637	20.61	ug/l	100
43) Isopropyl Acetate	6.48	43	146261	19.57	ug/l	99
44) Trichloroethene	7.21	130	85558	20.42	ug/l	99
45) 1,2-Dichloropropane	7.52	63	70854	21.39	ug/l	97
46) Dibromomethane	7.67	93	48228	20.74	ug/l	99
47) Bromodichloromethane	7.90	83	89709	20.79	ug/l	99
48) Methyl methacrylate	7.78	41	78891	20.06	ug/l	99
49) 1,4-Dioxane	7.76	88	36098	476.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	509891	107.67	ug/l	99
52) Toluene	8.79	92	185291	21.36	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	102552	20.19	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	90487	20.21	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	72657	21.91	ug/l	98
56) Ethyl methacrylate	9.19	69	97102	20.65	ug/l	98
57) 1,3-Dichloropropane	9.38	76	110479	19.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	251480	103.98	ug/l	99
59) 2-Hexanone	9.50	43	350076	103.26	ug/l	99
60) Dibromochloromethane	9.59	129	68140	20.07	ug/l	99
61) 1,2-Dibromoethane	9.68	107	69653	20.07	ug/l	99
64) Tetrachloroethene	9.34	164	94440	21.39	ug/l	99
65) Chlorobenzene	10.14	112	191143	20.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	68955	20.93	ug/l	98
67) Ethyl Benzene	10.26	91	306927	20.59	ug/l	99
68) m/p-Xylenes	10.37	106	248913	42.32	ug/l	99
69) o-Xylene	10.70	106	118772	21.09	ug/l	100
70) Styrene	10.72	104	194581	20.94	ug/l	100
71) Bromoform	10.86	173	53453	19.34	ug/l	98
73) Isopropylbenzene	11.02	105	322004	21.95	ug/l	100
74) N-amyl acetate	6.48	43	146261	20.79	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	92630	21.05	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	92647m	21.87	ug/l	
77) Bromobenzene	11.26	156	91577	21.24	ug/l	98
78) n-propylbenzene	11.37	91	358032	21.66	ug/l	99
79) 2-Chlorotoluene	11.43	91	215176	21.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	270818	22.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22629	18.17	ug/l	91
82) 4-Chlorotoluene	11.52	91	246492	21.16	ug/l	100
83) tert-Butylbenzene	11.77	119	259657	21.68	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	277294	22.25	ug/l	100
85) sec-Butylbenzene	11.95	105	324065	21.92	ug/l	100
86) p-Isopropyltoluene	12.07	119	297508	21.74	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164318	20.61	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165651	20.09	ug/l	99
89) n-Butylbenzene	12.40	91	233184	19.71	ug/l	100
90) Hexachloroethane	12.60	117	44456	20.92	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	166768	20.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19145	20.38	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
Data File : VX001765.D
Acq On : 16 May 2018 15:33
Operator : JC/MD
Sample : VX0516WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121154	19.13	ug/l	100
94) Hexachlorobutadiene	13.79	225	67666	19.90	ug/l	99
95) Naphthalene	13.84	128	330598	20.09	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	127231	19.95	ug/l	100

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

```
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\  
Data File : VX001765.D  
Acq On    : 16 May 2018   15:33  
Operator  : JC/MD  
Sample    : VX0516WBS01  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Manual Integrations APPROVED

MMDadoda
5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

