

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:34 PM

Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	263596	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	246105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	121565	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	4.89	113	103054	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	7.57	98	372739	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	10.31	95	140498	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	36795	16.86	ug/l	100
3) Chloromethane	1.33	50	41076	18.42	ug/l	99
4) Vinyl Chloride	1.40	62	41827	18.19	ug/l	98
5) Bromomethane	1.63	94	26805	24.11	ug/l	97
6) Chloroethane	1.70	64	26476	19.97	ug/l	97
7) Trichlorofluoromethane	1.89	101	65680	18.71	ug/l	100
8) Diethyl Ether	2.10	74	25495	20.22	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37759	17.34	ug/l	96
10) Methyl Iodide	2.41	142	32231	20.93	ug/l	95
11) Tert butyl alcohol	2.82	59	59530	85.98	ug/l	100
12) 1,1-Dichloroethene	2.29	96	34267	17.26	ug/l	95
13) Acrolein	2.19	56	31932	87.82	ug/l	98
14) Allyl chloride	2.60	41	59585	16.16	ug/l	98
15) Acrylonitrile	2.94	53	129843	96.38	ug/l	99
16) Acetone	2.32	43	133961	87.58	ug/l	94
17) Carbon Disulfide	2.48	76	105273	16.56	ug/l	98
18) Methyl Acetate	2.62	43	64402	19.64	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	133169	17.84	ug/l	99
20) Methylene Chloride	2.71	84	42748	17.81	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	38249	17.49	ug/l	89
22) Diisopropyl ether	3.57	45	134024	18.34	ug/l	95
23) Vinyl Acetate	3.53	43	593999	90.73	ug/l	99
24) 1,1-Dichloroethane	3.45	63	73116	17.39	ug/l	99
25) 2-Butanone	4.26	43	194079	94.46	ug/l	97
26) 2,2-Dichloropropane	4.23	77	66992	16.78	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	44887	17.85	ug/l	97
28) Bromochloromethane	4.55	49	34564	18.66	ug/l	87
29) Tetrahydrofuran	4.64	42	118455	93.10	ug/l	97
30) Chloroform	4.68	83	75654	17.78	ug/l	98
31) Cyclohexane	5.00	56	68666	17.09	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	66890	17.00	ug/l	95
36) 1,1-Dichloropropene	5.14	75	53655	17.32	ug/l	96
37) Ethyl Acetate	4.38	43	67963	20.13	ug/l #	95
38) Carbon Tetrachloride	5.14	117	59434	17.45	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:34 PM

Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	67624	17.49	ug/l	95
40) Benzene	5.39	78	162994	18.47	ug/l	100
41) Methacrylonitrile	4.54	41	37705	20.71	ug/l	97
42) 1,2-Dichloroethane	5.41	62	61293	18.23	ug/l	99
43) Isopropyl Acetate	5.55	43	107543	18.43	ug/l	97
44) Trichloroethene	6.19	130	43442	17.29	ug/l	97
45) 1,2-Dichloropropane	6.44	63	44511	18.90	ug/l	97
46) Dibromomethane	6.56	93	32238	19.49	ug/l	96
47) Bromodichloromethane	6.76	83	59119	17.95	ug/l	97
48) Methyl methacrylate	6.63	41	53974	18.99	ug/l	98
49) 1,4-Dioxane	6.62	88	26801	482.29	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	357393	97.48	ug/l	97
52) Toluene	7.64	92	106458	18.75	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	65725	17.77	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	68495	17.38	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	44577	19.31	ug/l	99
56) Ethyl methacrylate	8.02	69	74722	19.34	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75014	19.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	127244	85.97	ug/l	94
59) 2-Hexanone	8.36	43	287920	96.19	ug/l	99
60) Dibromochloromethane	8.48	129	50043	17.39	ug/l	98
61) 1,2-Dibromoethane	8.59	107	47149	18.35	ug/l	96
64) Tetrachloroethene	8.23	164	40367	17.26	ug/l	99
65) Chlorobenzene	9.12	112	117542	18.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	44976	18.83	ug/l	99
67) Ethyl Benzene	9.25	91	200530	18.19	ug/l	98
68) m/p-Xylenes	9.38	106	158010	37.33	ug/l	94
69) o-Xylene	9.78	106	78750	18.80	ug/l	94
70) Styrene	9.80	104	125494	18.23	ug/l	100
71) Bromoform	9.96	173	40089	17.66	ug/l #	99
73) Isopropylbenzene	10.17	105	208399	18.78	ug/l	100
74) N-amyl acetate	10.01	43	96698	18.32	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	74432	20.02	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	61733m	19.40	ug/l	
77) Bromobenzene	10.45	156	53879	19.18	ug/l	93
78) n-propylbenzene	10.59	91	233468	17.86	ug/l	97
79) 2-Chlorotoluene	10.66	91	140114	18.18	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	177714	18.48	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	21527m	15.66	ug/l	
82) 4-Chlorotoluene	10.78	91	160574	17.90	ug/l	99
83) tert-Butylbenzene	11.10	119	177544	19.19	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	181019	18.47	ug/l	100
85) sec-Butylbenzene	11.33	105	209986	18.13	ug/l	98
86) p-Isopropyltoluene	11.48	119	183570	17.70	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	95350	18.37	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96079	18.39	ug/l	99
89) n-Butylbenzene	11.89	91	153427	16.66	ug/l	97
90) Hexachloroethane	12.15	117	32211	15.92	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	98077	18.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19670	19.17	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024752.D
Acq On : 20 Jun 2018 12:56
Operator : MD/SY
Sample : VU0620WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBS01

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:34 PM

Quant Time: Jun 20 15:03:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	66189	20.62	ug/l	98
94) Hexachlorobutadiene	13.70	225	32076	17.75	ug/l	98
95) Naphthalene	13.75	128	224065	21.48	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	68027	21.27	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:34 PM

Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

