

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027231.D
 Acq On : 27 Sep 2018 17:54
 Operator : MD/SY
 Sample : VU0928WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:00 PM

Quant Time: Sep 28 04:15:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	80798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134090	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71396	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	76646	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	4.88	113	56118	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	7.57	98	201406	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
62) 4-Bromofluorobenzene	10.31	95	74293	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	25275	23.959	ug/l	99
3) Chloromethane	1.33	50	37847	20.809	ug/l	99
4) Vinyl Chloride	1.40	62	36769	21.657	ug/l	98
5) Bromomethane	1.62	94	18336	18.965	ug/l	99
6) Chloroethane	1.70	64	23254	21.437	ug/l	98
7) Trichlorofluoromethane	1.89	101	40899	21.210	ug/l	99
8) Diethyl Ether	2.11	74	19088	20.566	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24808	20.924	ug/l	99
10) Methyl Iodide	2.41	142	11358	7.724	ug/l	99
11) Tert butyl alcohol	2.83	59	32855	88.146	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22063	19.771	ug/l	88
13) Acrolein	2.20	56	10889	54.193	ug/l	98
14) Allyl chloride	2.59	41	51982	22.966	ug/l	98
15) Acrylonitrile	2.94	53	101229	107.755	ug/l	98
16) Acetone	2.32	43	103338	110.363	ug/l	100
17) Carbon Disulfide	2.48	76	78999	21.731	ug/l	99
18) Methyl Acetate	2.62	43	55086	23.799	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	90590	22.091	ug/l	99
20) Methylene Chloride	2.70	84	30640	21.038	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25885	21.726	ug/l	95
22) Diisopropyl ether	3.58	45	115095	23.774	ug/l	98
23) Vinyl Acetate	3.53	43	479896	116.289	ug/l	99
24) 1,1-Dichloroethane	3.45	63	59935	22.478	ug/l	100
25) 2-Butanone	4.26	43	144749	105.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	47765	22.970	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	29944	22.254	ug/l	98
28) Bromochloromethane	4.55	49	27472	21.374	ug/l	95
29) Tetrahydrofuran	4.64	42	91230	110.352	ug/l	98
30) Chloroform	4.67	83	54527	22.031	ug/l	99
31) Cyclohexane	5.00	56	54300	22.082	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	45036	22.790	ug/l	97
36) 1,1-Dichloropropene	5.14	75	39911	22.302	ug/l	98
37) Ethyl Acetate	4.38	43	52614	21.718	ug/l	99
38) Carbon Tetrachloride	5.14	117	37927	22.270	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027231.D
 Acq On : 27 Sep 2018 17:54
 Operator : MD/SY
 Sample : VU0928WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:00 PM

Quant Time: Sep 28 04:15:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44280	22.769	ug/l	96
40) Benzene	5.39	78	121595	22.351	ug/l	99
41) Methacrylonitrile	4.54	41	29221	23.225	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47266	22.996	ug/l	99
43) Isopropyl Acetate	5.55	43	79665	22.548	ug/l	99
44) Trichloroethene	6.19	130	25811	22.286	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35251	22.741	ug/l	99
46) Dibromomethane	6.56	93	20535	21.934	ug/l	99
47) Bromodichloromethane	6.76	83	42532	22.468	ug/l	97
48) Methyl methacrylate	6.62	41	39717	21.248	ug/l	98
49) 1,4-Dioxane	6.61	88	11045	287.982	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	272830	114.817	ug/l	99
52) Toluene	7.64	92	71702	22.993	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	45933	22.584	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	51501	23.029	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	30175	22.837	ug/l	99
56) Ethyl methacrylate	8.02	69	44386	20.704	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56748	23.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	109098	87.080	ug/l	99
59) 2-Hexanone	8.36	43	205551	110.508	ug/l	98
60) Dibromochloromethane	8.48	129	28597	22.064	ug/l	97
61) 1,2-Dibromoethane	8.59	107	31347	22.801	ug/l	96
64) Tetrachloroethene	8.23	164	22337	22.031	ug/l	99
65) Chlorobenzene	9.12	112	73264	21.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26614	22.148	ug/l	98
67) Ethyl Benzene	9.25	91	125488	21.874	ug/l	100
68) m/p-Xylenes	9.38	106	96724	42.507	ug/l	98
69) o-Xylene	9.78	106	44890	22.085	ug/l	98
70) Styrene	9.79	104	74938	20.840	ug/l	99
71) Bromoform	9.96	173	20351	21.901	ug/l #	97
73) Isopropylbenzene	10.17	105	124355	22.897	ug/l	99
74) N-amyl acetate	10.02	43	67272	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51826	20.755	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45828m	21.129	ug/l	
77) Bromobenzene	10.45	156	29180	21.987	ug/l	97
78) n-propylbenzene	10.59	91	149933	23.332	ug/l	99
79) 2-Chlorotoluene	10.66	91	91412	22.647	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104983	23.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	12758m	18.823	ug/l	
82) 4-Chlorotoluene	10.77	91	102930	22.742	ug/l	99
83) tert-Butylbenzene	11.10	119	95557	21.559	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	106504	23.343	ug/l	100
85) sec-Butylbenzene	11.32	105	123629	22.850	ug/l	100
86) p-Isopropyltoluene	11.48	119	104946	21.215	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	53121	21.509	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	53875	20.015	ug/l	98
89) n-Butylbenzene	11.89	91	92434	20.276	ug/l	99
90) Hexachloroethane	12.15	117	20410	20.744	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53453	20.375	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10397	20.410	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027231.D
Acq On : 27 Sep 2018 17:54
Operator : MD/SY
Sample : VU0928WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:07:00 PM

Quant Time: Sep 28 04:15:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31361	20.744	ug/l	99
94) Hexachlorobutadiene	13.69	225	17209	21.514	ug/l	100
95) Naphthalene	13.75	128	103945	18.680	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	34160	21.070	ug/l	99

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

