

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034135.D
 Acq On : 31 Aug 2019 21:07
 Operator : JC/SP
 Sample : VU0902WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:32:20 AM

Quant Time: Sep 01 05:07:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	418450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	684326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	646380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	341238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	266741	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	4.86	113	224101	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	7.55	98	862418	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.29	95	316162	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79892	18.984	ug/l	100
3) Chloromethane	1.32	50	103567	17.049	ug/l	100
4) Vinyl Chloride	1.40	62	104030	18.573	ug/l	96
5) Bromomethane	1.62	94	60986	19.021	ug/l	97
6) Chloroethane	1.69	64	63862	18.649	ug/l	99
7) Trichlorofluoromethane	1.88	101	124265	19.147	ug/l	98
8) Diethyl Ether	2.09	74	54623	19.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	79996	19.457	ug/l	100
10) Methyl Iodide	2.40	142	51446	8.821	ug/l	100
11) Tert butyl alcohol	2.81	59	97845	79.134	ug/l	100
12) 1,1-Dichloroethene	2.27	96	82987	19.810	ug/l	99
13) Acrolein	2.18	56	35723	68.679	ug/l	99
14) Allyl chloride	2.58	41	145527m	18.477	ug/l	
15) Acrylonitrile	2.92	53	271638	95.739	ug/l	99
16) Acetone	2.31	43	224165	81.937	ug/l	97
17) Carbon Disulfide	2.46	76	228495	17.234	ug/l	98
18) Methyl Acetate	2.60	43	131028	18.533	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	277116	20.190	ug/l	100
20) Methylene Chloride	2.68	84	99328	19.178	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	88951	19.565	ug/l	97
22) Diisopropyl ether	3.55	45	291407	20.191	ug/l	93
23) Vinyl Acetate	3.50	43	1191950	96.141	ug/l	100
24) 1,1-Dichloroethane	3.43	63	172475	20.242	ug/l	99
25) 2-Butanone	4.24	43	343923	90.358	ug/l	99
26) 2,2-Dichloropropane	4.20	77	110195	15.893	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	99854	19.568	ug/l	97
28) Bromochloromethane	4.52	49	90731	21.613	ug/l	100
29) Tetrahydrofuran	4.61	42	225784	96.189	ug/l	99
30) Chloroform	4.65	83	170987	20.113	ug/l	99
31) Cyclohexane	4.97	56	146220	18.262	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	136926	19.666	ug/l	99
36) 1,1-Dichloropropene	5.12	75	117793	18.198	ug/l	99
37) Ethyl Acetate	4.36	43	129773	17.904	ug/l	100
38) Carbon Tetrachloride	5.11	117	117324	18.778	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034135.D
 Acq On : 31 Aug 2019 21:07
 Operator : JC/SP
 Sample : VU0902WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0902WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:32:20 AM

Quant Time: Sep 01 05:07:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	130585	17.117	ug/l	97
40) Benzene	5.37	78	373792	19.087	ug/l	100
41) Methacrylonitrile	4.52	41	68886	18.531	ug/l	98
42) 1,2-Dichloroethane	5.38	62	128833	19.051	ug/l	99
43) Isopropyl Acetate	5.53	43	198261	17.979	ug/l	100
44) Trichloroethene	6.17	130	98363	19.127	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102949	19.097	ug/l	100
46) Dibromomethane	6.54	93	66461	19.135	ug/l	100
47) Bromodichloromethane	6.74	83	128706	18.941	ug/l	98
48) Methyl methacrylate	6.60	41	92526	17.388	ug/l	99
49) 1,4-Dioxane	6.59	88	35127	263.463	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	670381	88.027	ug/l	100
52) Toluene	7.62	92	230889	19.139	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	127182	16.868	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	146925	17.836	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	94409	18.501	ug/l	99
56) Ethyl methacrylate	8.00	69	132828	16.359	ug/l	98
57) 1,3-Dichloropropane	8.22	76	161871	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215657	76.389	ug/l	99
59) 2-Hexanone	8.34	43	499880	86.949	ug/l	97
60) Dibromochloromethane	8.46	129	99838	18.226	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97302	18.101	ug/l	100
64) Tetrachloroethene	8.21	164	93179	21.466	ug/l	98
65) Chlorobenzene	9.10	112	254019	19.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	88550	18.359	ug/l	99
67) Ethyl Benzene	9.23	91	425467	18.869	ug/l	98
68) m/p-Xylenes	9.36	106	330075	38.498	ug/l	99
69) o-Xylene	9.76	106	155367	18.888	ug/l	97
70) Styrene	9.77	104	273541	19.395	ug/l	100
71) Bromoform	9.94	173	72713	17.351	ug/l #	98
73) Isopropylbenzene	10.15	105	426146	18.592	ug/l	99
74) N-amyl acetate	10.00	43	164419	17.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	156563	17.846	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	134488m	17.487	ug/l	
77) Bromobenzene	10.43	156	113672	18.436	ug/l	99
78) n-propylbenzene	10.57	91	493612	18.492	ug/l	99
79) 2-Chlorotoluene	10.64	91	300351	18.759	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	362118	18.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34655m	15.173	ug/l	
82) 4-Chlorotoluene	10.75	91	342942	18.624	ug/l	98
83) tert-Butylbenzene	11.08	119	337710	17.659	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	360847	18.706	ug/l	100
85) sec-Butylbenzene	11.31	105	409971	17.886	ug/l	100
86) p-Isopropyltoluene	11.46	119	374158	18.049	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202915	18.589	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	207745	18.819	ug/l	99
89) n-Butylbenzene	11.87	91	316869	17.337	ug/l	99
90) Hexachloroethane	12.12	117	53769	15.002	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	200223	19.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29041	16.616	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
Data File : VU034135.D
Acq On : 31 Aug 2019 21:07
Operator : JC/SP
Sample : VU0902WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:32:20 AM

Quant Time: Sep 01 05:07:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	122139	17.170	ug/l	99
94) Hexachlorobutadiene	13.67	225	60283	14.737	ug/l	99
95) Naphthalene	13.73	128	334643	16.939	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	122576	18.300	ug/l	99

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

