

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033998.D
 Acq On : 28 Aug 2019 02:39
 Operator : JC/SP
 Sample : VU0828WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:44 AM

Quant Time: Aug 28 05:31:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	391101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	650673	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	530259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	312703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	273215	62.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.76%	
35) Dibromofluoromethane	4.86	113	219617	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.55	98	844033	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	10.29	95	295829	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93512	23.772	ug/l	97
3) Chloromethane	1.32	50	127189	30.222	ug/l	99
4) Vinyl Chloride	1.40	62	121432	30.921	ug/l	100
5) Bromomethane	1.60	94	55414	23.216	ug/l	99
6) Chloroethane	1.68	64	49381	21.119	ug/l	98
7) Trichlorofluoromethane	1.87	101	103242	19.980	ug/l	100
8) Diethyl Ether	2.09	74	42466	21.666	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.27	101	72343	21.921	ug/l	97
10) Methyl Iodide	2.40	142	110343	22.327	ug/l	97
11) Tert butyl alcohol	2.81	59	136875	121.622	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	74626	21.665	ug/l	91
13) Acrolein	2.18	56	34233	95.783	ug/l	97
14) Allyl chloride	2.58	41	162852m	26.702	ug/l	
15) Acrylonitrile	2.92	53	299661	131.715	ug/l	99
16) Acetone	2.31	43	250637	120.512	ug/l	97
17) Carbon Disulfide	2.46	76	267731	23.670	ug/l	99
18) Methyl Acetate	2.60	43	146733	28.645	ug/l	94
19) Methyl tert-butyl Ether	2.98	73	286912	24.796	ug/l	98
20) Methylene Chloride	2.68	84	101508	23.005	ug/l	89
21) trans-1,2-Dichloroethene	2.96	96	91878	23.395	ug/l	90
22) Diisopropyl ether	3.55	45	318067	28.385	ug/l	97
23) Vinyl Acetate	3.50	43	1317177	138.362	ug/l	96
24) 1,1-Dichloroethane	3.42	63	178972	25.510	ug/l	99
25) 2-Butanone	4.24	43	402423	134.985	ug/l	93
26) 2,2-Dichloropropane	4.20	77	109212	18.410	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	102464	23.307	ug/l	95
28) Bromochloromethane	4.52	49	90509	28.039	ug/l	83
29) Tetrahydrofuran	4.61	42	257468	138.075	ug/l	93
30) Chloroform	4.65	83	174273	24.259	ug/l	99
31) Cyclohexane	4.97	56	164666	25.703	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	144405	23.877	ug/l	95
36) 1,1-Dichloropropene	5.11	75	127386	21.375	ug/l	97
37) Ethyl Acetate	4.36	43	147079	24.606	ug/l	97
38) Carbon Tetrachloride	5.11	117	124155	20.442	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033998.D
 Acq On : 28 Aug 2019 02:39
 Operator : JC/SP
 Sample : VU0828WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VU0828WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:44 AM

Quant Time: Aug 28 05:31:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	140622	19.941	ug/l	93
40) Benzene	5.37	78	391249	22.081	ug/l	100
41) Methacrylonitrile	4.52	41	77802	25.118	ug/l	94
42) 1,2-Dichloroethane	5.38	62	142235	23.738	ug/l	96
43) Isopropyl Acetate	5.53	43	225176	24.569	ug/l	95
44) Trichloroethene	6.17	130	97202	19.239	ug/l	91
45) 1,2-Dichloropropane	6.41	63	109487	23.096	ug/l	96
46) Dibromomethane	6.54	93	70909	21.995	ug/l	90
47) Bromodichloromethane	6.74	83	135598	22.083	ug/l	96
48) Methyl methacrylate	6.60	41	105511	24.213	ug/l	93
49) 1,4-Dioxane	6.59	88	50231	420.022	ug/l #	94
51) 4-Methyl-2-Pentanone	7.44	43	782424	123.817	ug/l	95
52) Toluene	7.62	92	241666	21.630	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	141008	20.766	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	155855	21.233	ug/l	95
55) 1,1,2-Trichloroethane	8.05	97	99032	20.977	ug/l	97
56) Ethyl methacrylate	8.00	69	143546	20.832	ug/l	92
57) 1,3-Dichloropropane	8.22	76	171995	22.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	259171	103.775	ug/l	93
59) 2-Hexanone	8.34	43	594221	122.339	ug/l	93
60) Dibromochloromethane	8.46	129	103326	19.463	ug/l	100
61) 1,2-Dibromoethane	8.57	107	104431	20.945	ug/l	100
64) Tetrachloroethene	8.21	164	86340	20.251	ug/l	91
65) Chlorobenzene	9.10	112	217822	19.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	81065	19.913	ug/l	99
67) Ethyl Benzene	9.23	91	370958	20.376	ug/l	100
68) m/p-Xylenes	9.36	106	296399	42.215	ug/l	97
69) o-Xylene	9.76	106	155297	23.135	ug/l	96
70) Styrene	9.77	104	271436	23.626	ug/l	97
71) Bromoform	9.94	173	74282	20.613	ug/l #	99
73) Isopropylbenzene	10.15	105	398620	19.807	ug/l	99
74) N-amyl acetate	10.00	43	190663	25.238	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	150657	20.784	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	135667m	21.774	ug/l	
77) Bromobenzene	10.43	156	107515	18.905	ug/l	94
78) n-propylbenzene	10.57	91	508987	22.301	ug/l	98
79) 2-Chlorotoluene	10.64	91	315379	22.900	ug/l	95
80) 1,3,5-Trimethylbenzene	10.76	105	380187	22.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	38125m	17.526	ug/l	
82) 4-Chlorotoluene	10.76	91	350896	22.010	ug/l	98
83) tert-Butylbenzene	11.08	119	350421	20.943	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	375632	22.198	ug/l	98
85) sec-Butylbenzene	11.30	105	435385	21.803	ug/l	98
86) p-Isopropyltoluene	11.46	119	387500	20.732	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	197705	19.596	ug/l	97
88) 1,4-Dichlorobenzene	11.49	146	197074	19.354	ug/l	97
89) n-Butylbenzene	11.87	91	333097	21.323	ug/l	97
90) Hexachloroethane	12.12	117	65743	21.265	ug/l	87
91) 1,2-Dichlorobenzene	11.86	146	196097	19.746	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	34165	23.531	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
Data File : VU033998.D
Acq On : 28 Aug 2019 02:39
Operator : JC/SP
Sample : VU0828WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS02

Manual Integrations
APPROVED

MMDadoda
8/28/2019 10:00:44 AM

Quant Time: Aug 28 05:31:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	114436	17.554	ug/l	97
94) Hexachlorobutadiene	13.67	225	71126	17.470	ug/l	97
95) Naphthalene	13.73	128	313543	17.650	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	118673	18.700	ug/l	97

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

