

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027286.D
 Acq On : 28 Sep 2018 21:41
 Operator : MD/SY
 Sample : VU0928WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:22 PM

Quant Time: Sep 29 01:22:01 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	4.98	168	98593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	86328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86593	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	4.88	113	65135	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
50) Toluene-d8	7.57	98	239128	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	
62) 4-Bromofluorobenzene	10.31	95	88714	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	27442	21.318	ug/l	97
3) Chloromethane	1.33	50	39391	17.749	ug/l	99
4) Vinyl Chloride	1.40	62	42167	20.354	ug/l	100
5) Bromomethane	1.62	94	17945	15.211	ug/l	98
6) Chloroethane	1.70	64	25861	19.537	ug/l	99
7) Trichlorofluoromethane	1.89	101	46804	19.892	ug/l	99
8) Diethyl Ether	2.10	74	23650	20.882	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28634	19.792	ug/l	97
10) Methyl Iodide	2.41	142	8781	4.894	ug/l	98
11) Tert butyl alcohol	2.83	59	43062	94.678	ug/l	99
12) 1,1-Dichloroethene	2.28	96	26983	19.815	ug/l	99
13) Acrolein	2.20	56	11158	45.509	ug/l	96
14) Allyl chloride	2.59	41	61241	22.174	ug/l	94
15) Acrylonitrile	2.94	53	115882	101.089	ug/l	98
16) Acetone	2.32	43	101717	85.589	ug/l	98
17) Carbon Disulfide	2.48	76	90870	20.485	ug/l	98
18) Methyl Acetate	2.62	43	65323	23.128	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	113414	22.665	ug/l	97
20) Methylene Chloride	2.70	84	35428	19.935	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	31211	21.468	ug/l	98
22) Diisopropyl ether	3.58	45	133887	22.664	ug/l	98
23) Vinyl Acetate	3.53	43	560021	111.212	ug/l	99
24) 1,1-Dichloroethane	3.45	63	69650	21.407	ug/l	100
25) 2-Butanone	4.26	43	163899	98.283	ug/l	99
26) 2,2-Dichloropropane	4.23	77	50992	20.096	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	36385	22.161	ug/l	98
28) Bromochloromethane	4.55	49	28690	18.293	ug/l	99
29) Tetrahydrofuran	4.64	42	107804	106.864	ug/l	100
30) Chloroform	4.68	83	62486	20.690	ug/l	99
31) Cyclohexane	5.00	56	66399	22.130	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	51899	21.523	ug/l	97
36) 1,1-Dichloropropene	5.14	75	46493	20.787	ug/l	98
37) Ethyl Acetate	4.38	43	59824	19.758	ug/l	99
38) Carbon Tetrachloride	5.14	117	43893	20.622	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027286.D
 Acq On : 28 Sep 2018 21:41
 Operator : MD/SY
 Sample : VU0928WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:22 PM

Quant Time: Sep 29 01:22:01 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	54390	22.377	ug/l	99
40) Benzene	5.39	78	144136	21.198	ug/l	99
41) Methacrylonitrile	4.55	41	34531	21.959	ug/l	99
42) 1,2-Dichloroethane	5.41	62	52756	20.536	ug/l	99
43) Isopropyl Acetate	5.55	43	93545	21.184	ug/l	99
44) Trichloroethene	6.19	130	31738	21.926	ug/l	99
45) 1,2-Dichloropropane	6.43	63	41226	21.279	ug/l	98
46) Dibromomethane	6.56	93	23991	20.504	ug/l	98
47) Bromodichloromethane	6.76	83	47866	20.231	ug/l	98
48) Methyl methacrylate	6.62	41	47363	20.320	ug/l	96
49) 1,4-Dioxane	6.61	88	16541	345.417	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	318694	107.309	ug/l	99
52) Toluene	7.64	92	86255	22.131	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	55469	21.821	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	60147	21.519	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	34662	20.989	ug/l	99
56) Ethyl methacrylate	8.02	69	57206	21.282	ug/l	98
57) 1,3-Dichloropropane	8.24	76	65482	21.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	127992	82.038	ug/l	99
59) 2-Hexanone	8.36	43	236184	101.596	ug/l	99
60) Dibromochloromethane	8.48	129	34284	21.164	ug/l	99
61) 1,2-Dibromoethane	8.59	107	36585	21.292	ug/l	100
64) Tetrachloroethene	8.23	164	27441	22.093	ug/l	99
65) Chlorobenzene	9.12	112	89451	20.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	31833	21.624	ug/l	99
67) Ethyl Benzene	9.25	91	158767	22.591	ug/l	100
68) m/p-Xylenes	9.38	106	120213	43.102	ug/l	99
69) o-Xylene	9.78	106	58160	23.356	ug/l	98
70) Styrene	9.79	104	92838	21.055	ug/l	99
71) Bromoform	9.96	173	24585	21.596	ug/l #	100
73) Isopropylbenzene	10.17	105	155676	23.706	ug/l	99
74) N-amyl acetate	10.01	43	82860	21.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	59523	19.714	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	52301m	19.942	ug/l	
77) Bromobenzene	10.45	156	36083	22.485	ug/l	99
78) n-propylbenzene	10.59	91	180693	23.255	ug/l	100
79) 2-Chlorotoluene	10.66	91	108437	22.218	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	126341	23.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16773m	20.467	ug/l	
82) 4-Chlorotoluene	10.77	91	122972	22.471	ug/l	100
83) tert-Butylbenzene	11.10	119	121614	22.692	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	129659	23.503	ug/l	99
85) sec-Butylbenzene	11.32	105	152187	23.263	ug/l	100
86) p-Isopropyltoluene	11.48	119	128726	21.508	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	64554	21.617	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	65944	20.262	ug/l	99
89) n-Butylbenzene	11.89	91	112151	20.337	ug/l	100
90) Hexachloroethane	12.15	117	22759	19.131	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	65910	20.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12367	20.078	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027286.D
Acq On : 28 Sep 2018 21:41
Operator : MD/SY
Sample : VU0928WBS03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:08:22 PM

Quant Time: Sep 29 01:22:01 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	40704	22.267	ug/l	98
94) Hexachlorobutadiene	13.69	225	19815	20.487	ug/l	97
95) Naphthalene	13.74	128	140997	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	42417	21.638	ug/l	98

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

