

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026972.D
 Acq On : 21 Sep 2018 17:04
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:08 PM

Quant Time: Sep 22 01:37:09 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	97197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	162980	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	88437	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	4.88	113	64917	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	7.57	98	255141	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	90985	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59266	46.702	ug/l	98
3) Chloromethane	1.33	50	96821	44.252	ug/l	100
4) Vinyl Chloride	1.40	62	93212	45.640	ug/l	99
5) Bromomethane	1.61	94	48474	41.679	ug/l	98
6) Chloroethane	1.69	64	59255	45.408	ug/l	98
7) Trichlorofluoromethane	1.88	101	108145	46.622	ug/l	98
8) Diethyl Ether	2.11	74	52640	47.147	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	66417	46.567	ug/l	99
10) Methyl Iodide	2.41	142	87978	49.736	ug/l	98
11) Tert butyl alcohol	2.83	59	106986	238.602	ug/l	100
12) 1,1-Dichloroethene	2.28	96	63488	47.293	ug/l	96
13) Acrolein	2.20	56	56996	235.803	ug/l	99
14) Allyl chloride	2.59	41	134953	49.565	ug/l	98
15) Acrylonitrile	2.94	53	264220	233.801	ug/l	99
16) Acetone	2.32	43	255109	245.180	ug/l	100
17) Carbon Disulfide	2.48	76	207711	47.496	ug/l	100
18) Methyl Acetate	2.61	43	126886	45.571	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	244876	49.639	ug/l	99
20) Methylene Chloride	2.70	84	78268	44.674	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	69643	48.590	ug/l	97
22) Diisopropyl ether	3.57	45	293188	50.343	ug/l	99
23) Vinyl Acetate	3.52	43	1254783	252.760	ug/l	100
24) 1,1-Dichloroethane	3.45	63	152277	47.475	ug/l	99
25) 2-Butanone	4.26	43	377171	229.422	ug/l	100
26) 2,2-Dichloropropane	4.23	77	119835	47.906	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	80046	49.453	ug/l	99
28) Bromochloromethane	4.55	49	79468	51.397	ug/l	99
29) Tetrahydrofuran	4.64	42	238998	240.316	ug/l	100
30) Chloroform	4.67	83	138038	46.363	ug/l	99
31) Cyclohexane	5.00	56	142161	48.743	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	113655	47.811	ug/l	98
36) 1,1-Dichloropropene	5.14	75	106214	48.830	ug/l	99
37) Ethyl Acetate	4.38	43	134137	45.554	ug/l	99
38) Carbon Tetrachloride	5.13	117	98015	47.351	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026972.D
 Acq On : 21 Sep 2018 17:04
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 ICSVU092218

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:08 PM

Quant Time: Sep 22 01:37:09 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	127306	53.857	ug/l	98
40) Benzene	5.39	78	317172	47.966	ug/l	99
41) Methacrylonitrile	4.54	41	76826	50.237	ug/l	99
42) 1,2-Dichloroethane	5.40	62	117609	47.076	ug/l	99
43) Isopropyl Acetate	5.55	43	210893	49.110	ug/l	100
44) Trichloroethene	6.19	130	70045	49.758	ug/l	100
45) 1,2-Dichloropropane	6.43	63	90535	48.052	ug/l	97
46) Dibromomethane	6.56	93	53365	46.898	ug/l	100
47) Bromodichloromethane	6.76	83	108305	47.071	ug/l	100
48) Methyl methacrylate	6.62	41	106805	45.783	ug/l	97
49) 1,4-Dioxane	6.61	88	47812	1030.082	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	705142	244.147	ug/l	99
52) Toluene	7.64	92	188062	49.617	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	128906	52.144	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	136244	50.123	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	76840	47.845	ug/l	99
56) Ethyl methacrylate	8.02	69	130342	46.916	ug/l	98
57) 1,3-Dichloropropane	8.24	76	145759	48.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	375440	237.647	ug/l	100
59) 2-Hexanone	8.36	43	541986	239.731	ug/l	99
60) Dibromochloromethane	8.48	129	76339	48.459	ug/l	98
61) 1,2-Dibromoethane	8.59	107	81528	48.790	ug/l	99
64) Tetrachloroethene	8.23	164	59054	49.100	ug/l	98
65) Chlorobenzene	9.12	112	199717	48.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69746	48.929	ug/l	99
67) Ethyl Benzene	9.25	91	360419	52.961	ug/l	100
68) m/p-Xylenes	9.38	106	272682	98.955	ug/l	99
69) o-Xylene	9.78	106	129325	53.635	ug/l	100
70) Styrene	9.79	104	215456	47.934	ug/l	99
71) Bromoform	9.96	173	55117	50.001	ug/l #	100
73) Isopropylbenzene	10.17	105	352756	52.970	ug/l	100
74) N-amyl acetate	10.02	43	196501	50.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	134046	43.779	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113535m	42.688	ug/l	
77) Bromobenzene	10.45	156	80391	49.399	ug/l	100
78) n-propylbenzene	10.59	91	431191	54.721	ug/l	100
79) 2-Chlorotoluene	10.66	91	250424	50.595	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	295598	53.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41025m	49.363	ug/l	
82) 4-Chlorotoluene	10.77	91	289614	52.184	ug/l	100
83) tert-Butylbenzene	11.10	119	279926	51.504	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	301111	53.822	ug/l	99
85) sec-Butylbenzene	11.32	105	360839	54.388	ug/l	100
86) p-Isopropyltoluene	11.48	119	310944	49.949	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	149883	49.493	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	154187	46.715	ug/l	100
89) n-Butylbenzene	11.89	91	297251	49.292	ug/l	100
90) Hexachloroethane	12.15	117	56753	47.041	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	149338	46.423	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29132	46.638	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092218\
Data File : VU026972.D
Acq On : 21 Sep 2018 17:04
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:08 PM

Quant Time: Sep 22 01:37:09 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	103669	55.923	ug/l	99
94) Hexachlorobutadiene	13.69	225	49634	50.602	ug/l	99
95) Naphthalene	13.75	128	355419	49.069	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	107843	54.247	ug/l	100

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

