

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028547.D
 Acq On : 10 Dec 2018 13:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:09:58 PM

Quant Time: Dec 11 03:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	95441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158186	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72699	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	4.88	113	53083	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	7.56	98	211217	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	10.30	95	77999	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62870	49.146	ug/l	99
3) Chloromethane	1.33	50	107008	45.499	ug/l	98
4) Vinyl Chloride	1.40	62	82986	48.894	ug/l	98
5) Bromomethane	1.62	94	37939	55.491	ug/l	99
6) Chloroethane	1.69	64	47075	48.992	ug/l	99
7) Trichlorofluoromethane	1.88	101	87732	49.130	ug/l	95
8) Diethyl Ether	2.10	74	38516	46.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52528	49.184	ug/l	98
10) Methyl Iodide	2.41	142	28998	34.604	ug/l	99
11) Tert butyl alcohol	2.82	59	79465	244.884	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50550	47.571	ug/l	99
13) Acrolein	2.19	56	60362	233.338	ug/l	99
14) Allyl chloride	2.59	41	118522	47.148	ug/l	99
15) Acrylonitrile	2.93	53	223844	248.463	ug/l	100
16) Acetone	2.32	43	233129	245.288	ug/l	99
17) Carbon Disulfide	2.48	76	182557	47.688	ug/l	99
18) Methyl Acetate	2.61	43	124518	50.540	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	196783	48.850	ug/l	99
20) Methylene Chloride	2.70	84	64898	46.320	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57387	47.965	ug/l	100
22) Diisopropyl ether	3.57	45	245719	50.264	ug/l	99
23) Vinyl Acetate	3.52	43	1019896	252.934	ug/l	99
24) 1,1-Dichloroethane	3.44	63	123129	48.117	ug/l	99
25) 2-Butanone	4.26	43	329600	253.762	ug/l	99
26) 2,2-Dichloropropane	4.22	77	98186	48.425	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	65907	48.669	ug/l	99
28) Bromochloromethane	4.55	49	54947	47.234	ug/l	98
29) Tetrahydrofuran	4.63	42	208610	250.079	ug/l	99
30) Chloroform	4.67	83	111659	50.065	ug/l	98
31) Cyclohexane	4.99	56	124375	49.802	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	91508	49.402	ug/l	99
36) 1,1-Dichloropropene	5.13	75	88906	51.361	ug/l	99
37) Ethyl Acetate	4.38	43	115587	51.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	73609	52.759	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028547.D
 Acq On : 10 Dec 2018 13:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:09:58 PM

Quant Time: Dec 11 03:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	109039	51.633	ug/l	99
40) Benzene	5.39	78	265130	52.005	ug/l	100
41) Methacrylonitrile	4.54	41	67909	55.415	ug/l	96
42) 1,2-Dichloroethane	5.40	62	92647	51.916	ug/l	98
43) Isopropyl Acetate	5.55	43	188193	53.172	ug/l	99
44) Trichloroethene	6.18	130	58127	51.278	ug/l	97
45) 1,2-Dichloropropane	6.43	63	75743	52.832	ug/l	98
46) Dibromomethane	6.56	93	44357	52.146	ug/l	98
47) Bromodichloromethane	6.75	83	86333	52.156	ug/l	100
48) Methyl methacrylate	6.62	41	94350	53.604	ug/l	99
49) 1,4-Dioxane	6.61	88	31266	1125.010	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	583403	261.346	ug/l	98
52) Toluene	7.64	92	154787	51.589	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105638	53.585	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	113171	52.912	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	61510	51.862	ug/l	97
56) Ethyl methacrylate	8.02	69	106218	52.298	ug/l	99
57) 1,3-Dichloropropane	8.24	76	115343	52.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	279304	268.485	ug/l	100
59) 2-Hexanone	8.36	43	461831	261.019	ug/l	100
60) Dibromochloromethane	8.48	129	61463	52.931	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66100	53.146	ug/l	99
64) Tetrachloroethene	8.22	164	51012	50.454	ug/l	98
65) Chlorobenzene	9.12	112	162696	50.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53893	52.251	ug/l	99
67) Ethyl Benzene	9.25	91	300987	50.691	ug/l	99
68) m/p-Xylenes	9.37	106	219704	101.688	ug/l	97
69) o-Xylene	9.78	106	107518	51.208	ug/l	99
70) Styrene	9.79	104	179561	51.676	ug/l	99
71) Bromoform	9.96	173	47417	54.041	ug/l #	99
73) Isopropylbenzene	10.16	105	288286	48.971	ug/l	100
74) N-amyl acetate	10.01	43	164429	48.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	111974	49.515	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105820m	54.016	ug/l	
77) Bromobenzene	10.45	156	67727	49.192	ug/l	98
78) n-propylbenzene	10.58	91	365227	49.928	ug/l	99
79) 2-Chlorotoluene	10.66	91	207364	49.213	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	242853	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42291m	53.045	ug/l	
82) 4-Chlorotoluene	10.77	91	245069	49.080	ug/l	99
83) tert-Butylbenzene	11.10	119	230367	49.046	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	248410	49.464	ug/l	99
85) sec-Butylbenzene	11.32	105	300202	49.752	ug/l	99
86) p-Isopropyltoluene	11.48	119	254878	49.726	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	126526	48.668	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	128257	47.684	ug/l	99
89) n-Butylbenzene	11.89	91	264561	51.000	ug/l	100
90) Hexachloroethane	12.14	117	38154	49.248	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	125256	48.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24645	50.338	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028547.D
Acq On : 10 Dec 2018 13:09
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:09:58 PM

Quant Time: Dec 11 03:49:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90474	50.619	ug/l	99
94) Hexachlorobutadiene	13.69	225	42231	49.577	ug/l	97
95) Naphthalene	13.74	128	298873	47.895	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	89046	50.068	ug/l	100

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

