

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028497.D
 Acq On : 06 Dec 2018 13:19
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:06 AM

Quant Time: Dec 07 00:28:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	109619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191700	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	253447	151.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	303.02%	
35) Dibromofluoromethane	4.88	113	187928	155.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	311.56%	
50) Toluene-d8	7.57	98	753559	157.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	315.82%	
62) 4-Bromofluorobenzene	10.31	95	290419	162.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	325.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	220578	150.125	ug/l	100
3) Chloromethane	1.33	50	403322	149.308	ug/l	100
4) Vinyl Chloride	1.40	62	293817	150.721	ug/l	99
5) Bromomethane	1.60	94	126294	160.830	ug/l	99
6) Chloroethane	1.68	64	166060	150.469	ug/l	99
7) Trichlorofluoromethane	1.88	101	304581	148.505	ug/l	100
8) Diethyl Ether	2.10	74	137734	143.537	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	182754	148.988	ug/l	98
10) Methyl Iodide	2.41	142	161161	167.443	ug/l	99
11) Tert butyl alcohol	2.83	59	265007	711.035	ug/l	100
12) 1,1-Dichloroethene	2.28	96	181086	148.373	ug/l	99
13) Acrolein	2.19	56	225695	759.615	ug/l	100
14) Allyl chloride	2.59	41	446560	154.666	ug/l	94
15) Acrylonitrile	2.94	53	772524	746.581	ug/l	99
16) Acetone	2.32	43	697935	639.359	ug/l	99
17) Carbon Disulfide	2.47	76	644478	146.579	ug/l	99
18) Methyl Acetate	2.61	43	423727	149.740	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	682779	147.573	ug/l	99
20) Methylene Chloride	2.70	84	227423	141.326	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	202238	147.172	ug/l	99
22) Diisopropyl ether	3.57	45	833334	148.419	ug/l	96
23) Vinyl Acetate	3.52	43	3548856	766.282	ug/l	100
24) 1,1-Dichloroethane	3.44	63	424410	144.402	ug/l	99
25) 2-Butanone	4.26	43	1081397	724.893	ug/l	99
26) 2,2-Dichloropropane	4.22	77	336802	144.625	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	234019	150.461	ug/l	98
28) Bromochloromethane	4.55	49	190995	142.949	ug/l	99
29) Tetrahydrofuran	4.64	42	714622	745.879	ug/l	99
30) Chloroform	4.67	83	382894	149.475	ug/l	97
31) Cyclohexane	5.00	56	422910	122.663	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	315024	148.074	ug/l	99
36) 1,1-Dichloropropene	5.13	75	311501	148.493	ug/l	99
37) Ethyl Acetate	4.38	43	404614	149.207	ug/l	99
38) Carbon Tetrachloride	5.13	117	255235	150.957	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028497.D
 Acq On : 06 Dec 2018 13:19
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:06 AM

Quant Time: Dec 07 00:28:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	381700	149.147	ug/l	98
40) Benzene	5.39	78	921957	149.224	ug/l	99
41) Methacrylonitrile	4.54	41	231176	155.665	ug/l	98
42) 1,2-Dichloroethane	5.40	62	319099	147.551	ug/l	99
43) Isopropyl Acetate	5.55	43	655922	152.924	ug/l	100
44) Trichloroethene	6.18	130	206284	150.162	ug/l	98
45) 1,2-Dichloropropane	6.43	63	264392	152.177	ug/l	98
46) Dibromomethane	6.56	93	155361	150.712	ug/l	99
47) Bromodichloromethane	6.76	83	303454	151.275	ug/l	99
48) Methyl methacrylate	6.62	41	333330	156.271	ug/l	98
49) 1,4-Dioxane	6.61	88	96218	2856.842	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	2079582	768.722	ug/l	100
52) Toluene	7.64	92	551461	151.664	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	378092	158.259	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	398363	153.691	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	219329	152.597	ug/l	96
56) Ethyl methacrylate	8.02	69	399370	162.258	ug/l	99
57) 1,3-Dichloropropane	8.24	76	402154	150.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1022863	811.346	ug/l	99
59) 2-Hexanone	8.36	43	1640260	764.977	ug/l	99
60) Dibromochloromethane	8.48	129	219511	155.990	ug/l	99
61) 1,2-Dibromoethane	8.58	107	236187	156.700	ug/l	98
64) Tetrachloroethene	8.23	164	174878	142.358	ug/l	99
65) Chlorobenzene	9.12	112	580596	147.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	194604	155.286	ug/l	99
67) Ethyl Benzene	9.25	91	1083897	150.242	ug/l	99
68) m/p-Xylenes	9.38	106	804229	306.361	ug/l	99
69) o-Xylene	9.78	106	391258	153.370	ug/l	100
70) Styrene	9.79	104	665804	157.705	ug/l	99
71) Bromoform	9.96	173	176378	165.445	ug/l #	99
73) Isopropylbenzene	10.17	105	1038978	139.748	ug/l	100
74) N-amyl acetate	10.01	43	629913	146.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	415948	145.642	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	358456m	128.239	ug/l	
77) Bromobenzene	10.45	156	251840	144.838	ug/l	100
78) n-propylbenzene	10.59	91	1317667	142.632	ug/l	100
79) 2-Chlorotoluene	10.66	91	752764	141.459	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	893609	145.204	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	147711m	106.852	ug/l	
82) 4-Chlorotoluene	10.77	91	902453	143.111	ug/l	100
83) tert-Butylbenzene	11.10	119	860256	145.025	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	918008	144.742	ug/l	99
85) sec-Butylbenzene	11.32	105	1104056	144.882	ug/l	100
86) p-Isopropyltoluene	11.48	119	944074	145.842	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	473157	144.112	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	478684	140.917	ug/l	99
89) n-Butylbenzene	11.89	91	993212	151.607	ug/l	100
90) Hexachloroethane	12.14	117	152851	156.223	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	469954	143.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	94207	152.362	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
Data File : VU028497.D
Acq On : 06 Dec 2018 13:19
Operator : MD/SY
Sample : VSTDICC150
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:35:06 AM

Quant Time: Dec 07 00:28:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	344058	146.124	ug/l	100
94) Hexachlorobutadiene	13.69	225	151604	140.924	ug/l	97
95) Naphthalene	13.74	128	1160890	147.307	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	338307	142.815	ug/l	100

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

