

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028495.D
 Acq On : 06 Dec 2018 12:33
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:56 AM

Quant Time: Dec 07 00:23:54 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	106003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184108	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84864	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	77566	47.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.90%	
35) Dibromofluoromethane	4.88	113	56782	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	
50) Toluene-d8	7.57	98	225134	49.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	10.31	95	82655	48.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	71336	50.208	ug/l	100
3) Chloromethane	1.33	50	125322	47.976	ug/l	100
4) Vinyl Chloride	1.40	62	94024	49.877	ug/l	100
5) Bromomethane	1.62	94	35164	46.307	ug/l	100
6) Chloroethane	1.69	64	54361	50.938	ug/l	100
7) Trichlorofluoromethane	1.89	101	96460	48.635	ug/l	100
8) Diethyl Ether	2.10	74	44646	48.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57879	48.795	ug/l	100
10) Methyl Iodide	2.41	142	47473	51.006	ug/l	100
11) Tert butyl alcohol	2.82	59	89697	248.874	ug/l	100
12) 1,1-Dichloroethene	2.29	96	57731	48.916	ug/l	100
13) Acrolein	2.19	56	72056	250.789	ug/l	100
14) Allyl chloride	2.59	41	132372	47.411	ug/l	100
15) Acrylonitrile	2.93	53	252194	252.039	ug/l	100
16) Acetone	2.32	43	247079	234.063	ug/l	100
17) Carbon Disulfide	2.48	76	204492	48.096	ug/l	100
18) Methyl Acetate	2.61	43	138105	50.470	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	222164	49.656	ug/l	100
20) Methylene Chloride	2.70	84	71604	46.014	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	65374	49.197	ug/l	100
22) Diisopropyl ether	3.57	45	272800	50.244	ug/l	100
23) Vinyl Acetate	3.52	43	1138251	254.159	ug/l	100
24) 1,1-Dichloroethane	3.45	63	138331	48.672	ug/l	100
25) 2-Butanone	4.26	43	363748	252.149	ug/l	100
26) 2,2-Dichloropropane	4.23	77	108739	48.286	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	74072	49.249	ug/l	100
28) Bromochloromethane	4.55	49	64705	50.080	ug/l	100
29) Tetrahydrofuran	4.64	42	236143	254.879	ug/l	100
30) Chloroform	4.67	83	122017	49.258	ug/l	100
31) Cyclohexane	5.00	56	137143	41.135	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	101742	49.454	ug/l	100
36) 1,1-Dichloropropene	5.14	75	99839	49.556	ug/l	100
37) Ethyl Acetate	4.38	43	133834	51.388	ug/l	100
38) Carbon Tetrachloride	5.14	117	79864	49.183	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	119712	48.706	ug/l	100
40) Benzene	5.39	78	296939	50.043	ug/l	100
41) Methacrylonitrile	4.54	41	73154	51.290	ug/l	100
42) 1,2-Dichloroethane	5.40	62	103279	49.725	ug/l	100
43) Isopropyl Acetate	5.55	43	210859	51.188	ug/l	100
44) Trichloroethene	6.19	130	64427	48.833	ug/l	100
45) 1,2-Dichloropropane	6.43	63	86110	51.607	ug/l	100
46) Dibromomethane	6.56	93	49809	50.311	ug/l	100
47) Bromodichloromethane	6.76	83	95722	49.686	ug/l	100
48) Methyl methacrylate	6.62	41	106398	51.938	ug/l	100
49) 1,4-Dioxane	6.61	88	32737	1012.088	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	659512	253.843	ug/l	100
52) Toluene	7.64	92	176652	50.586	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	115975	50.546	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	125546	50.434	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	71164	51.554	ug/l	100
56) Ethyl methacrylate	8.02	69	122684	51.900	ug/l	100
57) 1,3-Dichloropropane	8.24	76	127317	49.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	307743	254.171	ug/l	100
59) 2-Hexanone	8.36	43	517384	251.245	ug/l	100
60) Dibromochloromethane	8.48	129	66681	49.339	ug/l	100
61) 1,2-Dibromoethane	8.58	107	74437	51.422	ug/l	100
64) Tetrachloroethene	8.23	164	56050	48.673	ug/l	100
65) Chlorobenzene	9.12	112	181067	49.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	60091	51.152	ug/l	100
67) Ethyl Benzene	9.25	91	336274	49.724	ug/l	100
68) m/p-Xylenes	9.37	106	250420	101.763	ug/l	100
69) o-Xylene	9.78	106	120770	50.501	ug/l	100
70) Styrene	9.79	104	199231	50.341	ug/l	100
71) Bromoform	9.96	173	51322	51.355	ug/l #	100
73) Isopropylbenzene	10.16	105	318569	48.921	ug/l	100
74) N-amyl acetate	10.01	43	186346	49.609	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	124910	49.934	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110041m	44.946	ug/l	
77) Bromobenzene	10.45	156	75438	49.533	ug/l	100
78) n-propylbenzene	10.58	91	399454	49.366	ug/l	100
79) 2-Chlorotoluene	10.66	91	230923	49.544	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	269564	50.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	40332m	33.310	ug/l	
82) 4-Chlorotoluene	10.77	91	268158	48.550	ug/l	100
83) tert-Butylbenzene	11.10	119	256466	49.362	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	276303	49.738	ug/l	100
85) sec-Butylbenzene	11.32	105	332535	49.821	ug/l	100
86) p-Isopropyltoluene	11.48	119	280031	49.389	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	139074	48.361	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	140630	47.266	ug/l	100
89) n-Butylbenzene	11.89	91	285413	49.739	ug/l	100
90) Hexachloroethane	12.14	117	42511	49.605	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	138487	48.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27693	51.135	ug/l	100

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93) 1,2,4-Trichlorobenzene	13.50	180	96153	46.623	ug/l	100
94) Hexachlorobutadiene	13.69	225	44804	47.549	ug/l	100
95) Naphthalene	13.74	128	334878	48.514	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	97869	47.169	ug/l	100

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

