

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028519.D
 Acq On : 06 Dec 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:29 AM

Quant Time: Dec 07 07:06:07 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	95176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	159995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76246	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	4.88	113	54629	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	7.57	98	219688	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	10.30	95	82671	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	64116	50.259	ug/l	100
3) Chloromethane	1.33	50	115446	49.223	ug/l	100
4) Vinyl Chloride	1.40	62	86868	51.323	ug/l	100
5) Bromomethane	1.62	94	32461	47.611	ug/l	100
6) Chloroethane	1.69	64	49099	51.241	ug/l	97
7) Trichlorofluoromethane	1.88	101	90341	50.732	ug/l	97
8) Diethyl Ether	2.10	74	40646	48.786	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53050	49.811	ug/l	99
10) Methyl Iodide	2.41	142	44576	53.342	ug/l	99
11) Tert butyl alcohol	2.82	59	86786	268.189	ug/l	100
12) 1,1-Dichloroethene	2.28	96	52648	49.683	ug/l	97
13) Acrolein	2.19	56	62568	242.539	ug/l	100
14) Allyl chloride	2.59	41	120906	48.230	ug/l	99
15) Acrylonitrile	2.94	53	235407	262.025	ug/l	99
16) Acetone	2.32	43	191860	202.429	ug/l	99
17) Carbon Disulfide	2.48	76	187026	48.992	ug/l	100
18) Methyl Acetate	2.62	43	130666	53.183	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	203678	50.703	ug/l	100
20) Methylene Chloride	2.70	84	66513	47.605	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	59119	49.551	ug/l	98
22) Diisopropyl ether	3.57	45	253976	52.098	ug/l	97
23) Vinyl Acetate	3.52	43	1057688	263.037	ug/l	99
24) 1,1-Dichloroethane	3.45	63	127089	49.803	ug/l	100
25) 2-Butanone	4.26	43	319614	246.759	ug/l	97
26) 2,2-Dichloropropane	4.23	77	93536	46.260	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	68153	50.468	ug/l	99
28) Bromochloromethane	4.55	49	61769	53.246	ug/l	98
29) Tetrahydrofuran	4.64	42	220691	265.299	ug/l	99
30) Chloroform	4.67	83	113161	50.880	ug/l	99
31) Cyclohexane	5.00	56	126482	50.811	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	93174	50.441	ug/l	100
36) 1,1-Dichloropropene	5.14	75	89300	48.456	ug/l	98
37) Ethyl Acetate	4.38	43	122183	51.287	ug/l	99
38) Carbon Tetrachloride	5.13	117	74084	49.876	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	108223	48.135	ug/l	99
40) Benzene	5.39	78	272993	50.296	ug/l	98
41) Methacrylonitrile	4.54	41	69245	53.075	ug/l	99
42) 1,2-Dichloroethane	5.40	62	95376	50.200	ug/l	99
43) Isopropyl Acetate	5.55	43	197067	52.299	ug/l	99
44) Trichloroethene	6.19	130	59382	49.204	ug/l	96
45) 1,2-Dichloropropane	6.43	63	78760	51.601	ug/l	99
46) Dibromomethane	6.56	93	45421	50.155	ug/l	98
47) Bromodichloromethane	6.76	83	88477	50.206	ug/l	99
48) Methyl methacrylate	6.62	41	99662	53.184	ug/l	99
49) 1,4-Dioxane	6.61	88	32863	1110.679	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	619319	260.591	ug/l	99
52) Toluene	7.64	92	161546	50.572	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	106401	50.695	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	113666	49.917	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	63945	50.642	ug/l	99
56) Ethyl methacrylate	8.02	69	110057	50.898	ug/l	98
57) 1,3-Dichloropropane	8.24	76	116943	49.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	281508	254.174	ug/l	99
59) 2-Hexanone	8.36	43	471165	250.127	ug/l	100
60) Dibromochloromethane	8.48	129	61362	49.635	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68751	51.921	ug/l	99
64) Tetrachloroethene	8.22	164	51142	47.921	ug/l	98
65) Chlorobenzene	9.12	112	167411	49.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55079	50.591	ug/l	100
67) Ethyl Benzene	9.25	91	310708	49.575	ug/l	99
68) m/p-Xylenes	9.37	106	229045	100.434	ug/l	100
69) o-Xylene	9.78	106	110088	49.673	ug/l	100
70) Styrene	9.79	104	183717	50.090	ug/l	99
71) Bromoform	9.96	173	46813	50.545	ug/l #	99
73) Isopropylbenzene	10.16	105	293265	47.530	ug/l	99
74) N-amyl acetate	10.01	43	175557	49.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	114877	48.467	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	95890m	46.701	ug/l	
77) Bromobenzene	10.45	156	69401	48.094	ug/l	100
78) n-propylbenzene	10.58	91	369010	48.130	ug/l	99
79) 2-Chlorotoluene	10.66	91	212355	48.084	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	247167	48.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43083m	51.572	ug/l	
82) 4-Chlorotoluene	10.77	91	249454	47.665	ug/l	99
83) tert-Butylbenzene	11.10	119	235258	47.789	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	252094	47.893	ug/l	99
85) sec-Butylbenzene	11.32	105	305778	48.350	ug/l	100
86) p-Isopropyltoluene	11.48	119	255728	47.601	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	128669	47.221	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	130123	46.157	ug/l	100
89) n-Butylbenzene	11.89	91	261844	48.160	ug/l	100
90) Hexachloroethane	12.14	117	39307	48.407	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	127031	46.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25796	50.270	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90484	48.340	ug/l	99
94) Hexachlorobutadiene	13.69	225	40064	44.874	ug/l	98
95) Naphthalene	13.74	128	316659	48.416	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91264	48.963	ug/l	99

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

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