

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110818\
 Data File : VU028012.D
 Acq On : 08 Nov 2018 09:34
 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
 11/9/2018 12:02:58 PM

Quant Time: Nov 08 10:13:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	186473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315345	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	146667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	130220	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.88	113	99062	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	7.57	98	377113	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.31	95	141587	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	90238	38.084	ug/l	97
3) Chloromethane	1.33	50	120122	41.918	ug/l	100
4) Vinyl Chloride	1.40	62	122058	42.915	ug/l	99
5) Bromomethane	1.62	94	54327	46.911	ug/l	99
6) Chloroethane	1.69	64	74161	45.247	ug/l	99
7) Trichlorofluoromethane	1.88	101	148192	45.090	ug/l	98
8) Diethyl Ether	2.11	74	65309	46.408	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	96348	49.348	ug/l	97
10) Methyl Iodide	2.41	142	70466	40.959	ug/l	98
11) Tert butyl alcohol	2.82	59	158099	215.410	ug/l	98
12) 1,1-Dichloroethene	2.29	96	85091	43.540	ug/l	98
13) Acrolein	2.20	56	41995	152.913	ug/l	97
14) Allyl chloride	2.59	41	209986	43.962	ug/l	99
15) Acrylonitrile	2.94	53	415429	230.427	ug/l	99
16) Acetone	2.32	43	392846	228.386	ug/l	100
17) Carbon Disulfide	2.48	76	253112	39.623	ug/l	100
18) Methyl Acetate	2.61	43	216536	45.763	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	363563	46.130	ug/l	99
20) Methylene Chloride	2.70	84	111366	44.343	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	95630	42.401	ug/l	94
22) Diisopropyl ether	3.57	45	456615	46.304	ug/l	99
23) Vinyl Acetate	3.52	43	1968347	232.253	ug/l	100
24) 1,1-Dichloroethane	3.45	63	221634	45.122	ug/l	99
25) 2-Butanone	4.26	43	621502	227.115	ug/l	98
26) 2,2-Dichloropropane	4.23	77	176504	47.884	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	119663	47.313	ug/l	100
28) Bromochloromethane	4.55	49	98267	42.675	ug/l	99
29) Tetrahydrofuran	4.64	42	389209	213.000	ug/l	99
30) Chloroform	4.67	83	203182	45.115	ug/l	99
31) Cyclohexane	5.00	56	211101	43.579	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	165350	46.122	ug/l	99
36) 1,1-Dichloropropene	5.14	75	152668	46.225	ug/l	99
37) Ethyl Acetate	4.38	43	219094	45.275	ug/l	99
38) Carbon Tetrachloride	5.14	117	134976	46.116	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	186686	46.865	ug/l	99
40) Benzene	5.39	78	465162	46.066	ug/l	99
41) Methacrylonitrile	4.54	41	124894	48.361	ug/l	99
42) 1,2-Dichloroethane	5.40	62	166860	46.489	ug/l	98
43) Isopropyl Acetate	5.55	43	357026	47.091	ug/l	100
44) Trichloroethene	6.19	130	102287	47.125	ug/l	98
45) 1,2-Dichloropropane	6.43	63	138681	47.622	ug/l	98
46) Dibromomethane	6.56	93	79631	47.572	ug/l	98
47) Bromodichloromethane	6.76	83	155736	48.278	ug/l	99
48) Methyl methacrylate	6.62	41	177897	47.882	ug/l	99
49) 1,4-Dioxane	6.61	88	59284	978.033	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1157433	228.595	ug/l	99
52) Toluene	7.64	92	278380	46.894	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	187629	46.973	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	199621	50.199	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116075	48.061	ug/l	96
56) Ethyl methacrylate	8.02	69	211141	49.574	ug/l	99
57) 1,3-Dichloropropane	8.24	76	212668	48.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	503188	220.591	ug/l	100
59) 2-Hexanone	8.36	43	917249	234.226	ug/l	99
60) Dibromochloromethane	8.48	129	116356	50.912	ug/l	98
61) 1,2-Dibromoethane	8.58	107	123241	48.023	ug/l	99
64) Tetrachloroethene	8.23	164	89239	46.452	ug/l	100
65) Chlorobenzene	9.12	112	296826	47.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	104417	48.839	ug/l	99
67) Ethyl Benzene	9.25	91	541670	47.014	ug/l	99
68) m/p-Xylenes	9.38	106	399464	95.555	ug/l	98
69) o-Xylene	9.78	106	200482	47.492	ug/l	100
70) Styrene	9.79	104	329742	48.887	ug/l	100
71) Bromoform	9.96	173	88115	49.177	ug/l #	100
73) Isopropylbenzene	10.17	105	535064	47.092	ug/l	100
74) N-amyl acetate	10.01	43	325763	47.415	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	213457	46.574	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	215327m	53.674	ug/l	
77) Bromobenzene	10.45	156	125061	48.002	ug/l	99
78) n-propylbenzene	10.59	91	663011	48.749	ug/l	99
79) 2-Chlorotoluene	10.66	91	383193	47.005	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	455884	48.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	83029m	51.666	ug/l	
82) 4-Chlorotoluene	10.77	91	439932	47.535	ug/l	98
83) tert-Butylbenzene	11.10	119	439103	46.666	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	465700	49.136	ug/l	99
85) sec-Butylbenzene	11.32	105	559991	48.935	ug/l	100
86) p-Isopropyltoluene	11.48	119	476195	49.777	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	233923	48.604	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	233759	47.387	ug/l	99
89) n-Butylbenzene	11.89	91	472762	51.999	ug/l	100
90) Hexachloroethane	12.14	117	83192	48.845	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	232988	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46220	47.860	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	160202	47.235	ug/l	100
94) Hexachlorobutadiene	13.69	225	76967	50.036	ug/l	99
95) Naphthalene	13.74	128	561177	46.633	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	164170	50.549	ug/l	99

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

