

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025907.D
 Acq On : 06 Aug 2018 23:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:46 PM

Quant Time: Aug 07 04:25:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	261202	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134793	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	4.89	113	112902	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	7.57	98	393681	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	10.31	95	152618	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	98634	38.53	ug/l	99
3) Chloromethane	1.33	50	101271	41.39	ug/l	99
4) Vinyl Chloride	1.40	62	108453	47.10	ug/l	100
5) Bromomethane	1.62	94	61593	54.77	ug/l	96
6) Chloroethane	1.69	64	66600	49.47	ug/l	99
7) Trichlorofluoromethane	1.88	101	162249	48.74	ug/l	98
8) Diethyl Ether	2.10	74	59558	49.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	92249	47.88	ug/l	98
10) Methyl Iodide	2.41	142	70360	41.02	ug/l	99
11) Tert butyl alcohol	2.83	59	150531	260.53	ug/l	100
12) 1,1-Dichloroethene	2.28	96	89381	49.15	ug/l	96
13) Acrolein	2.19	56	85580	410.30	ug/l	100
14) Allyl chloride	2.59	41	160037	48.97	ug/l	97
15) Acrylonitrile	2.94	53	323482	280.42	ug/l	100
16) Acetone	2.32	43	359701	279.57	ug/l	98
17) Carbon Disulfide	2.48	76	289534	49.19	ug/l	99
18) Methyl Acetate	2.62	43	152476	49.24	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	355945	54.01	ug/l	99
20) Methylene Chloride	2.70	84	114190	50.08	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	108115	51.43	ug/l	98
22) Diisopropyl ether	3.58	45	351290	54.55	ug/l	94
23) Vinyl Acetate	3.53	43	1561811	278.28	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204194	52.82	ug/l	99
25) 2-Butanone	4.27	43	576983	329.43	ug/l	99
26) 2,2-Dichloropropane	4.23	77	149430	42.53	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	120141	50.69	ug/l	99
28) Bromochloromethane	4.55	49	88745	51.34	ug/l	99
29) Tetrahydrofuran	4.64	42	289033	275.45	ug/l	100
30) Chloroform	4.68	83	213073	52.22	ug/l	99
31) Cyclohexane	5.00	56	176363	52.51	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	193078	52.55	ug/l	99
36) 1,1-Dichloropropene	5.14	75	158916	52.06	ug/l	100
37) Ethyl Acetate	4.38	43	171949	54.32	ug/l	98
38) Carbon Tetrachloride	5.14	117	176072	50.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171110	48.92	ug/l	97
40) Benzene	5.39	78	448119	50.22	ug/l	97
41) Methacrylonitrile	4.54	41	93583	53.23	ug/l	98
42) 1,2-Dichloroethane	5.41	62	173625	50.53	ug/l	99
43) Isopropyl Acetate	5.55	43	273362	52.26	ug/l	100
44) Trichloroethene	6.19	130	125425	50.47	ug/l	96
45) 1,2-Dichloropropane	6.44	63	119230	51.24	ug/l	98
46) Dibromomethane	6.56	93	85522	50.72	ug/l	99
47) Bromodichloromethane	6.76	83	168533	52.40	ug/l	98
48) Methyl methacrylate	6.63	41	139176	54.29	ug/l	98
49) 1,4-Dioxane	6.62	88	66590	1067.45	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1113765	340.12	ug/l	100
52) Toluene	7.64	92	290836	52.47	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	187257	51.85	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	193198	52.08	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	119391	51.83	ug/l	99
56) Ethyl methacrylate	8.02	69	182833	55.55	ug/l	97
57) 1,3-Dichloropropane	8.25	76	200683	51.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	340184	228.85	ug/l	100
59) 2-Hexanone	8.36	43	862312	335.94	ug/l	98
60) Dibromochloromethane	8.48	129	141997	52.27	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133851	52.24	ug/l	100
64) Tetrachloroethene	8.23	164	119559	53.18	ug/l	98
65) Chlorobenzene	9.12	112	334358	50.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124561	52.29	ug/l	98
67) Ethyl Benzene	9.25	91	565409	51.84	ug/l	100
68) m/p-Xylenes	9.38	106	446541	106.63	ug/l	100
69) o-Xylene	9.78	106	214224	52.34	ug/l	98
70) Styrene	9.80	104	361183	54.63	ug/l	98
71) Bromoform	9.96	173	110997	53.74	ug/l	# 99
73) Isopropylbenzene	10.17	105	579132	52.85	ug/l	100
74) N-amyl acetate	10.01	43	249249	55.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	195155	51.50	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	167488m	47.35	ug/l	
77) Bromobenzene	10.45	156	156448	51.76	ug/l	98
78) n-propylbenzene	10.59	91	676002	52.86	ug/l	99
79) 2-Chlorotoluene	10.66	91	400422	53.45	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	492074	52.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	63367m	44.92	ug/l	
82) 4-Chlorotoluene	10.78	91	475949	53.90	ug/l	99
83) tert-Butylbenzene	11.10	119	475508	51.43	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	509898	54.07	ug/l	98
85) sec-Butylbenzene	11.33	105	580231	51.40	ug/l	99
86) p-Isopropyltoluene	11.48	119	525678	52.00	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	288598	51.44	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	291686	49.88	ug/l	99
89) n-Butylbenzene	11.89	91	461356	49.46	ug/l	99
90) Hexachloroethane	12.15	117	91277	50.79	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	282090	51.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48705	54.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	190628	51.36	ug/l	99
94) Hexachlorobutadiene	13.70	225	84408	43.14	ug/l	99
95) Naphthalene	13.74	128	583812	49.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192172	51.91	ug/l	99

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

