

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU025006.D
 Acq On : 28 Jun 2018 07:48
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:06 PM

Quant Time: Jun 28 08:10:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269151	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136999	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	4.89	113	111188	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	7.57	98	375702	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	10.31	95	156940	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	90149	41.77	ug/l	98
3) Chloromethane	1.33	50	97499	44.22	ug/l	99
4) Vinyl Chloride	1.40	62	104423	45.93	ug/l	99
5) Bromomethane	1.61	94	54441	49.53	ug/l	99
6) Chloroethane	1.69	64	68568	54.05	ug/l	98
7) Trichlorofluoromethane	1.88	101	172178	49.62	ug/l	100
8) Diethyl Ether	2.10	74	65719	55.88	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100280	46.58	ug/l	97
10) Methyl Iodide	2.41	142	118292	63.35	ug/l	98
11) Tert butyl alcohol	2.83	59	165992	242.49	ug/l	100
12) 1,1-Dichloroethene	2.28	96	96671	49.24	ug/l	95
13) Acrolein	2.19	56	35085	97.60	ug/l	95
14) Allyl chloride	2.59	41	162239	44.51	ug/l	99
15) Acrylonitrile	2.94	53	339852	255.18	ug/l	99
16) Acetone	2.32	43	315821	208.84	ug/l	99
17) Carbon Disulfide	2.48	76	267319	42.53	ug/l	99
18) Methyl Acetate	2.62	43	204921	63.21	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	385320	52.22	ug/l	95
20) Methylene Chloride	2.70	84	114733	48.35	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	106548	49.28	ug/l	93
22) Diisopropyl ether	3.57	45	367664	50.88	ug/l	95
23) Vinyl Acetate	3.53	43	1522846	235.28	ug/l	98
24) 1,1-Dichloroethane	3.45	63	210874	50.73	ug/l	99
25) 2-Butanone	4.26	43	493779	243.08	ug/l	97
26) 2,2-Dichloropropane	4.23	77	132099	33.47	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	127266	51.20	ug/l	95
28) Bromochloromethane	4.55	49	87230	47.64	ug/l	87
29) Tetrahydrofuran	4.64	42	316117	251.30	ug/l	97
30) Chloroform	4.68	83	220098	52.31	ug/l	100
31) Cyclohexane	5.00	56	186999	50.69	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	203267	52.25	ug/l	96
36) 1,1-Dichloropropene	5.14	75	156656	49.53	ug/l	96
37) Ethyl Acetate	4.38	43	181241	52.58	ug/l	97
38) Carbon Tetrachloride	5.14	117	179259	51.54	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	192858	48.86	ug/l	96
40) Benzene	5.39	78	464398	51.53	ug/l	99
41) Methacrylonitrile	4.54	41	101912	54.83	ug/l	98
42) 1,2-Dichloroethane	5.41	62	193295	56.32	ug/l	99
43) Isopropyl Acetate	5.55	43	289823	48.64	ug/l	99
44) Trichloroethene	6.19	130	126604	49.36	ug/l	96
45) 1,2-Dichloropropane	6.44	63	123948	51.55	ug/l	99
46) Dibromomethane	6.56	93	89416	52.94	ug/l	95
47) Bromodichloromethane	6.76	83	171033	50.85	ug/l	98
48) Methyl methacrylate	6.63	41	152617	52.60	ug/l	98
49) 1,4-Dioxane	6.62	88	71211	1255.00	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	954152	254.88	ug/l	98
52) Toluene	7.64	92	301263	51.96	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	175188	46.38	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	186060	46.23	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	124103	52.66	ug/l	97
56) Ethyl methacrylate	8.02	69	195463	49.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	211171	53.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	101901	67.43	ug/l	95
59) 2-Hexanone	8.36	43	774002	253.26	ug/l	98
60) Dibromochloromethane	8.48	129	141551	48.16	ug/l	100
61) 1,2-Dibromoethane	8.59	107	135857	51.79	ug/l	99
64) Tetrachloroethene	8.23	164	129278	53.05	ug/l	96
65) Chlorobenzene	9.12	112	339773	51.88	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127997	51.44	ug/l	98
67) Ethyl Benzene	9.25	91	594256	51.76	ug/l	98
68) m/p-Xylenes	9.38	106	458668	104.04	ug/l	99
69) o-Xylene	9.78	106	227312	52.10	ug/l	98
70) Styrene	9.80	104	367368	51.24	ug/l	98
71) Bromoform	9.96	173	111676	47.22	ug/l #	98
73) Isopropylbenzene	10.17	105	620445	50.16	ug/l	99
74) N-amyl acetate	10.01	43	268841	45.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	211158	50.95	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	177959m	50.18	ug/l	
77) Bromobenzene	10.45	156	159873	51.06	ug/l	95
78) n-propylbenzene	10.59	91	700169	48.06	ug/l	97
79) 2-Chlorotoluene	10.66	91	424929	49.46	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	535675	49.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	62180m	40.58	ug/l	
82) 4-Chlorotoluene	10.78	91	491672	49.17	ug/l	100
83) tert-Butylbenzene	11.10	119	528820	51.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	550866	50.42	ug/l	99
85) sec-Butylbenzene	11.33	105	637846	49.42	ug/l	98
86) p-Isopropyltoluene	11.48	119	565457	48.91	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	293169	50.68	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	295762	50.80	ug/l	99
89) n-Butylbenzene	11.89	91	456931	44.52	ug/l	97
90) Hexachloroethane	12.15	117	98360	43.62	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	308476	53.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56040	49.00	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	195292	54.58	ug/l	100
94) Hexachlorobutadiene	13.70	225	99965	49.64	ug/l	98
95) Naphthalene	13.74	128	649304	54.75	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	208083	58.36	ug/l	99

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

