

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025662.D
 Acq On : 27 Jul 2018 11:28
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:12 PM

Quant Time: Jul 28 02:15:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	262971	95.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.98%	
35) Dibromofluoromethane	4.89	113	220893	100.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.08%	
50) Toluene-d8	7.57	98	791923	105.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.52%	
62) 4-Bromofluorobenzene	10.31	95	316034	104.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	280267	152.77	ug/l	100
3) Chloromethane	1.33	50	248295	119.60	ug/l	100
4) Vinyl Chloride	1.40	62	237565	117.84	ug/l	98
5) Bromomethane	1.61	94	103036	69.96	ug/l	99
6) Chloroethane	1.68	64	135538	96.47	ug/l	99
7) Trichlorofluoromethane	1.88	101	338125	106.72	ug/l	100
8) Diethyl Ether	2.10	74	118416	99.60	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	193271	98.44	ug/l	99
10) Methyl Iodide	2.41	142	200106	104.39	ug/l	100
11) Tert butyl alcohol	2.83	59	289776	482.32	ug/l	99
12) 1,1-Dichloroethene	2.28	96	182651	101.65	ug/l	96
13) Acrolein	2.19	56	104088	261.88	ug/l	100
14) Allyl chloride	2.59	41	360418	110.60	ug/l	90
15) Acrylonitrile	2.94	53	610720	494.43	ug/l	100
16) Acetone	2.32	43	593080	398.80	ug/l	97
17) Carbon Disulfide	2.47	76	596256	107.12	ug/l	100
18) Methyl Acetate	2.62	43	334629	118.67	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	680679	99.59	ug/l	98
20) Methylene Chloride	2.70	84	221352	90.59	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	211596	103.05	ug/l	99
22) Diisopropyl ether	3.57	45	660112	99.19	ug/l	94
23) Vinyl Acetate	3.53	43	2913069	498.98	ug/l	100
24) 1,1-Dichloroethane	3.45	63	390743	104.11	ug/l	99
25) 2-Butanone	4.27	43	892950	467.79	ug/l	100
26) 2,2-Dichloropropane	4.23	77	345944	95.86	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	237904	100.13	ug/l	99
28) Bromochloromethane	4.55	49	169616	93.59	ug/l	99
29) Tetrahydrofuran	4.64	42	549463	479.89	ug/l	99
30) Chloroform	4.68	83	408100	102.67	ug/l	99
31) Cyclohexane	5.00	56	341896	81.99	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	375431	104.22	ug/l	98
36) 1,1-Dichloropropene	5.14	75	305908	105.65	ug/l	99
37) Ethyl Acetate	4.38	43	318828	98.74	ug/l	98
38) Carbon Tetrachloride	5.14	117	341668	109.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	352885	97.71	ug/l	98
40) Benzene	5.39	78	865859	103.77	ug/l	98
41) Methacrylonitrile	4.54	41	177494	99.14	ug/l	98
42) 1,2-Dichloroethane	5.41	62	331135	99.84	ug/l	99
43) Isopropyl Acetate	5.55	43	522001	100.95	ug/l	99
44) Trichloroethene	6.19	130	241123	100.64	ug/l	98
45) 1,2-Dichloropropane	6.44	63	227719	104.20	ug/l	100
46) Dibromomethane	6.56	93	166039	104.40	ug/l	99
47) Bromodichloromethane	6.76	83	319786	108.24	ug/l	97
48) Methyl methacrylate	6.63	41	270414	104.90	ug/l	97
49) 1,4-Dioxane	6.62	88	124954	2014.43	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1695074	504.34	ug/l	100
52) Toluene	7.64	92	557713	105.06	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	373008	114.91	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	380731	110.20	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	230263	104.15	ug/l	98
56) Ethyl methacrylate	8.02	69	351430	101.77	ug/l	96
57) 1,3-Dichloropropane	8.25	76	384182	104.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	747305	613.28	ug/l	99
59) 2-Hexanone	8.36	43	1362944	499.95	ug/l	98
60) Dibromochloromethane	8.48	129	275138	115.23	ug/l	100
61) 1,2-Dibromoethane	8.59	107	258995	109.48	ug/l	99
64) Tetrachloroethene	8.23	164	218610	93.24	ug/l	98
65) Chlorobenzene	9.12	112	647837	100.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	242284	105.42	ug/l	99
67) Ethyl Benzene	9.25	91	1103038	100.70	ug/l	99
68) m/p-Xylenes	9.38	106	875274	206.68	ug/l	98
69) o-Xylene	9.78	106	420004	99.06	ug/l	99
70) Styrene	9.80	104	701705	104.19	ug/l	98
71) Bromoform	9.96	173	224051	112.72	ug/l #	100
73) Isopropylbenzene	10.17	105	1141659	89.12	ug/l	100
74) N-amyl acetate	10.01	43	496124	89.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	388719	92.75	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	370113m	96.94	ug/l	
77) Bromobenzene	10.45	156	309434	94.42	ug/l	98
78) n-propylbenzene	10.59	91	1350272	94.99	ug/l	99
79) 2-Chlorotoluene	10.66	91	783290	88.05	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	989590	91.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	144716m	108.34	ug/l	
82) 4-Chlorotoluene	10.78	91	942176	93.60	ug/l	99
83) tert-Butylbenzene	11.10	119	982868	90.23	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1017780	92.13	ug/l	98
85) sec-Butylbenzene	11.33	105	1204869	93.94	ug/l	100
86) p-Isopropyltoluene	11.48	119	1093772	96.32	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	578637	96.61	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	587726	95.54	ug/l	99
89) n-Butylbenzene	11.89	91	1010509	108.25	ug/l	100
90) Hexachloroethane	12.15	117	193024	100.38	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	570991	94.40	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98381	96.79	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	420663	106.14	ug/l	99
94) Hexachlorobutadiene	13.70	225	200038	92.47	ug/l	99
95) Naphthalene	13.74	128	1272877	93.36	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	414114	96.90	ug/l	99

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

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