

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025276.D
 Acq On : 09 Jul 2018 16:12
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:49 PM

Quant Time: Jul 10 01:46:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	212318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315889	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	207711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	460469	139.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.18%	
35) Dibromofluoromethane	4.89	113	387383	145.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.74%	
50) Toluene-d8	7.57	98	1339114	146.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.50%	
62) 4-Bromofluorobenzene	10.31	95	595074	161.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	326890	148.77	ug/l	99
3) Chloromethane	1.33	50	330715	133.01	ug/l	100
4) Vinyl Chloride	1.40	62	365596	151.41	ug/l	100
5) Bromomethane	1.61	94	166654	94.48	ug/l	99
6) Chloroethane	1.68	64	228550	135.82	ug/l	99
7) Trichlorofluoromethane	1.88	101	560977	147.83	ug/l	99
8) Diethyl Ether	2.10	74	210774	148.01	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	360666	153.37	ug/l	99
10) Methyl Iodide	2.41	142	447890	197.07	ug/l	99
11) Tert butyl alcohol	2.84	59	542687	671.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	330442	153.54	ug/l	94
13) Acrolein	2.19	56	244172	486.32	ug/l	99
14) Allyl chloride	2.59	41	591703	151.60	ug/l	89
15) Acrylonitrile	2.94	53	1098096	742.23	ug/l	99
16) Acetone	2.32	43	1263096	709.11	ug/l	97
17) Carbon Disulfide	2.47	76	969278	145.39	ug/l	99
18) Methyl Acetate	2.62	43	496788	147.10	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	1240209	151.50	ug/l	99
20) Methylene Chloride	2.70	84	381635	130.40	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	361567	147.01	ug/l	100
22) Diisopropyl ether	3.57	45	1184883	148.65	ug/l	95
23) Vinyl Acetate	3.53	43	5394193	771.43	ug/l	99
24) 1,1-Dichloroethane	3.45	63	687013	152.82	ug/l	99
25) 2-Butanone	4.26	43	1715574	750.36	ug/l	100
26) 2,2-Dichloropropane	4.23	77	653896	151.28	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	420267	147.69	ug/l	100
28) Bromochloromethane	4.55	49	235368	108.43	ug/l	99
29) Tetrahydrofuran	4.63	42	996780	726.84	ug/l	99
30) Chloroform	4.68	83	716821	150.57	ug/l	99
31) Cyclohexane	5.00	56	627601	125.65	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	663590	153.80	ug/l	98
36) 1,1-Dichloropropene	5.14	75	536699	152.83	ug/l	98
37) Ethyl Acetate	4.38	43	594110	151.69	ug/l	99
38) Carbon Tetrachloride	5.14	117	605579	160.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	682560	155.82	ug/l	98
40) Benzene	5.39	78	1514299	149.63	ug/l	98
41) Methacrylonitrile	4.54	41	329008	151.52	ug/l	98
42) 1,2-Dichloroethane	5.41	62	593946	147.64	ug/l	99
43) Isopropyl Acetate	5.55	43	963576	153.63	ug/l	99
44) Trichloroethene	6.19	130	438091	150.76	ug/l	99
45) 1,2-Dichloropropane	6.44	63	400791	151.20	ug/l	99
46) Dibromomethane	6.56	93	291494	151.11	ug/l	99
47) Bromodichloromethane	6.76	83	575422	160.57	ug/l	98
48) Methyl methacrylate	6.62	41	497489	159.11	ug/l	98
49) 1,4-Dioxane	6.62	88	234637	3118.73	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	3249187	797.06	ug/l	100
52) Toluene	7.64	92	1007862	156.53	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	669773	170.11	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	684916	163.45	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	414943	154.74	ug/l	100
56) Ethyl methacrylate	8.02	69	690074	164.76	ug/l	97
57) 1,3-Dichloropropane	8.25	76	701850	157.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	879208	594.88	ug/l	99
59) 2-Hexanone	8.37	43	2687255	812.71	ug/l	97
60) Dibromochloromethane	8.48	129	506223	174.80	ug/l	100
61) 1,2-Dibromoethane	8.59	107	458064	159.64	ug/l	99
64) Tetrachloroethene	8.23	164	413842	145.62	ug/l	98
65) Chlorobenzene	9.12	112	1182521	151.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	444972	159.72	ug/l	99
67) Ethyl Benzene	9.25	91	2048175	154.25	ug/l	100
68) m/p-Xylenes	9.38	106	1618312	315.25	ug/l	99
69) o-Xylene	9.78	106	793935	154.48	ug/l	98
70) Styrene	9.80	104	1345129	164.77	ug/l	98
71) Bromoform	9.96	173	443294	183.98	ug/l #	99
73) Isopropylbenzene	10.17	105	2171791	136.85	ug/l	100
74) N-amyl acetate	10.02	43	988232	143.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	741322	142.78	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	660310m	140.93	ug/l	
77) Bromobenzene	10.45	156	585131	144.12	ug/l	98
78) n-propylbenzene	10.59	91	2563517	145.57	ug/l	99
79) 2-Chlorotoluene	10.66	91	1508387	136.86	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	1928659	144.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	246152m	144.23	ug/l	
82) 4-Chlorotoluene	10.78	91	1802637	144.56	ug/l	100
83) tert-Butylbenzene	11.10	119	1936379	143.49	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1987252	145.20	ug/l	99
85) sec-Butylbenzene	11.33	105	2345429	147.61	ug/l	100
86) p-Isopropyltoluene	11.48	119	2143469	152.35	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	1098136	147.99	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	1109586	145.59	ug/l	99
89) n-Butylbenzene	11.89	91	1902570	164.51	ug/l	100
90) Hexachloroethane	12.15	117	385994	162.03	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	1097873	146.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	190586	151.34	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	788036	160.50	ug/l	99
94) Hexachlorobutadiene	13.70	225	410863	153.30	ug/l	100
95) Naphthalene	13.74	128	2346290	138.90	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	786112	148.47	ug/l	100

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

