

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025686.D
 Acq On : 27 Jul 2018 22:44
 Operator : MD/SY
 Sample : VU0727WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:52 PM

Quant Time: Jul 28 05:47:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	167703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	257689	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133677	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	4.89	113	108535	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	7.57	98	383723	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	10.31	95	146528	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53781	21.22	ug/l	98
3) Chloromethane	1.33	50	47032	19.41	ug/l	99
4) Vinyl Chloride	1.41	62	45212	19.83	ug/l	100
5) Bromomethane	1.63	94	23849	21.42	ug/l	96
6) Chloroethane	1.70	64	25067	18.80	ug/l	96
7) Trichlorofluoromethane	1.89	101	67632	20.52	ug/l	99
8) Diethyl Ether	2.10	74	22498	18.86	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39844	20.89	ug/l	95
10) Methyl Iodide	2.41	142	27756	21.51	ug/l	98
11) Tert butyl alcohol	2.83	59	58266	101.85	ug/l	99
12) 1,1-Dichloroethene	2.28	96	34805	19.33	ug/l	97
13) Acrolein	2.19	56	17025	80.80	ug/l	94
14) Allyl chloride	2.59	41	60608	18.73	ug/l	98
15) Acrylonitrile	2.94	53	116833	102.29	ug/l	99
16) Acetone	2.32	43	110016	86.36	ug/l	97
17) Carbon Disulfide	2.48	76	111744	19.18	ug/l	99
18) Methyl Acetate	2.62	43	69092	22.53	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	131185	20.10	ug/l	100
20) Methylene Chloride	2.70	84	43234	19.15	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41630	20.00	ug/l	97
22) Diisopropyl ether	3.58	45	130528	20.47	ug/l	95
23) Vinyl Acetate	3.53	43	551746	99.29	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76996	20.12	ug/l	99
25) 2-Butanone	4.27	43	175323	101.10	ug/l	100
26) 2,2-Dichloropropane	4.23	77	55966	16.09	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46042	19.62	ug/l	98
28) Bromochloromethane	4.55	49	34869	20.37	ug/l	99
29) Tetrahydrofuran	4.64	42	108546	104.47	ug/l	99
30) Chloroform	4.68	83	80275	19.87	ug/l	99
31) Cyclohexane	5.00	56	68455	19.74	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	73381	20.17	ug/l	99
36) 1,1-Dichloropropene	5.14	75	58633	19.47	ug/l	98
37) Ethyl Acetate	4.38	43	62619	20.05	ug/l	99
38) Carbon Tetrachloride	5.14	117	65036	19.07	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66422	19.25	ug/l	98
40) Benzene	5.39	78	167345	19.01	ug/l	97
41) Methacrylonitrile	4.55	41	34226	19.73	ug/l	97
42) 1,2-Dichloroethane	5.41	62	65580	19.35	ug/l	100
43) Isopropyl Acetate	5.55	43	100654	19.51	ug/l	99
44) Trichloroethene	6.19	130	46468	18.96	ug/l	95
45) 1,2-Dichloropropane	6.44	63	44069	19.20	ug/l	97
46) Dibromomethane	6.56	93	31763	19.09	ug/l	100
47) Bromodichloromethane	6.76	83	60336	19.01	ug/l	95
48) Methyl methacrylate	6.63	41	50907	20.13	ug/l	98
49) 1,4-Dioxane	6.62	88	25767	418.68	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	323107	100.02	ug/l	100
52) Toluene	7.64	92	108662	19.87	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65566	18.40	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	68383	18.68	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44180	19.44	ug/l	99
56) Ethyl methacrylate	8.02	69	62945	19.38	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75362	19.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	132362	94.54	ug/l	99
59) 2-Hexanone	8.36	43	252820	99.84	ug/l	100
60) Dibromochloromethane	8.48	129	50194	18.73	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50055	19.80	ug/l	98
64) Tetrachloroethene	8.23	164	42873	19.30	ug/l	96
65) Chlorobenzene	9.12	112	124926	19.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	44991	19.12	ug/l	97
67) Ethyl Benzene	9.25	91	204517	18.98	ug/l	99
68) m/p-Xylenes	9.38	106	161210	38.96	ug/l	100
69) o-Xylene	9.78	106	77280	19.11	ug/l	96
70) Styrene	9.80	104	124721	19.09	ug/l	99
71) Bromoform	9.96	173	37109	18.18	ug/l #	100
73) Isopropylbenzene	10.17	105	210206	19.68	ug/l	99
74) N-amyl acetate	10.02	43	87387	20.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	70998	19.22	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	63365m	18.37	ug/l	
77) Bromobenzene	10.45	156	57017	19.35	ug/l	99
78) n-propylbenzene	10.59	91	246460	19.77	ug/l	100
79) 2-Chlorotoluene	10.66	91	144834	19.83	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	180404	19.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	49838m	36.24	ug/l	
82) 4-Chlorotoluene	10.78	91	171903	19.97	ug/l	99
83) tert-Butylbenzene	11.10	119	172731	19.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	184623	20.08	ug/l	100
85) sec-Butylbenzene	11.33	105	216312	19.65	ug/l	99
86) p-Isopropyltoluene	11.48	119	192892	19.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105176	19.23	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	108647	19.06	ug/l	99
89) n-Butylbenzene	11.89	91	174719	19.21	ug/l	98
90) Hexachloroethane	12.15	117	31985	18.25	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	103939	19.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16998	19.41	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	72286	19.98	ug/l	100
94) Hexachlorobutadiene	13.70	225	36143	18.95	ug/l	99
95) Naphthalene	13.75	128	206810	18.60	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	71646	19.85	ug/l	99

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

