

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025289.D
 Acq On : 10 Jul 2018 15:15
 Operator : MD/SY
 Sample : VU0710WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:53 PM

Quant Time: Jul 11 03:19:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138020	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	4.89	113	111756	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	7.57	98	367408	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
62) 4-Bromofluorobenzene	10.31	95	150347	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	39085	19.95	ug/l	99
3) Chloromethane	1.33	50	41667	21.67	ug/l	100
4) Vinyl Chloride	1.40	62	43676	20.29	ug/l	99
5) Bromomethane	1.62	94	28355	22.90	ug/l	96
6) Chloroethane	1.70	64	28720	21.14	ug/l	99
7) Trichlorofluoromethane	1.89	101	70063	20.71	ug/l	98
8) Diethyl Ether	2.10	74	26417	20.80	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43834	20.90	ug/l	98
10) Methyl Iodide	2.41	142	43224	23.28	ug/l	98
11) Tert butyl alcohol	2.82	59	64823	101.03	ug/l	99
12) 1,1-Dichloroethene	2.28	96	38459	20.04	ug/l	97
13) Acrolein	2.19	56	29125	68.61	ug/l	98
14) Allyl chloride	2.59	41	67797	19.48	ug/l	99
15) Acrylonitrile	2.94	53	138069	104.66	ug/l	99
16) Acetone	2.32	43	148272	101.74	ug/l	99
17) Carbon Disulfide	2.48	76	101681	19.36	ug/l	99
18) Methyl Acetate	2.62	43	67710	22.48	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	156784	21.48	ug/l	99
20) Methylene Chloride	2.70	84	49316	22.07	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	42042	19.17	ug/l	98
22) Diisopropyl ether	3.57	45	150295	21.15	ug/l	99
23) Vinyl Acetate	3.53	43	661338	106.07	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85909	21.43	ug/l	99
25) 2-Butanone	4.27	43	208471	102.26	ug/l	100
26) 2,2-Dichloropropane	4.23	77	79848	20.72	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50792	20.02	ug/l	96
28) Bromochloromethane	4.55	49	41093	21.23	ug/l	99
29) Tetrahydrofuran	4.64	42	126524	103.47	ug/l	99
30) Chloroform	4.68	83	90949	21.43	ug/l	99
31) Cyclohexane	5.00	56	75999	20.90	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	82548	21.46	ug/l	99
36) 1,1-Dichloropropene	5.14	75	61682	19.71	ug/l	97
37) Ethyl Acetate	4.38	43	74631	21.39	ug/l	98
38) Carbon Tetrachloride	5.14	117	71344	21.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77046	19.74	ug/l	97
40) Benzene	5.39	78	185761	20.60	ug/l	99
41) Methacrylonitrile	4.54	41	42104	21.76	ug/l	97
42) 1,2-Dichloroethane	5.41	62	77011	21.48	ug/l	100
43) Isopropyl Acetate	5.55	43	118258	21.16	ug/l	99
44) Trichloroethene	6.19	130	50970	19.69	ug/l	97
45) 1,2-Dichloropropane	6.44	63	50393	21.34	ug/l	98
46) Dibromomethane	6.56	93	35923	20.90	ug/l	98
47) Bromodichloromethane	6.76	83	68691	21.51	ug/l	100
48) Methyl methacrylate	6.63	41	57757	20.73	ug/l	95
49) 1,4-Dioxane	6.61	88	27531	410.70	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	383275	105.52	ug/l	100
52) Toluene	7.64	92	120236	20.96	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	72595	20.69	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	76101	20.38	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	49692	20.80	ug/l	98
56) Ethyl methacrylate	8.02	69	79518	21.31	ug/l	99
57) 1,3-Dichloropropane	8.25	76	84131	21.21	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	142425	85.42	ug/l	100
59) 2-Hexanone	8.36	43	299694	101.72	ug/l	99
60) Dibromochloromethane	8.48	129	54383	21.08	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54305	21.24	ug/l	99
64) Tetrachloroethene	8.23	164	49609	20.36	ug/l	97
65) Chlorobenzene	9.12	112	135820	20.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51573	21.59	ug/l	98
67) Ethyl Benzene	9.25	91	234056	20.56	ug/l	100
68) m/p-Xylenes	9.38	106	181165	41.17	ug/l	98
69) o-Xylene	9.78	106	91356	20.74	ug/l	95
70) Styrene	9.80	104	146155	20.88	ug/l	99
71) Bromoform	9.96	173	42543	21.33	ug/l #	99
73) Isopropylbenzene	10.17	105	243341	20.88	ug/l	99
74) N-amyl acetate	10.01	43	100794	21.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	82658	21.68	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	75138m	24.33	ug/l	
77) Bromobenzene	10.46	156	61561	20.65	ug/l	97
78) n-propylbenzene	10.59	91	267429	20.68	ug/l	99
79) 2-Chlorotoluene	10.66	91	166164	22.46	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	208255	21.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	24722m	20.34	ug/l	
82) 4-Chlorotoluene	10.78	91	186531	20.37	ug/l	100
83) tert-Butylbenzene	11.10	119	210275	21.22	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	208723	20.77	ug/l	100
85) sec-Butylbenzene	11.33	105	243253	20.85	ug/l	99
86) p-Isopropyltoluene	11.48	119	211741	20.50	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	109153	20.03	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109066	21.37	ug/l	97
89) n-Butylbenzene	11.89	91	163309	19.23	ug/l	99
90) Hexachloroethane	12.15	117	35993	20.58	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	115977	21.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19631	21.23	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	62048	19.02	ug/l	98
94) Hexachlorobutadiene	13.70	225	37061	18.83	ug/l	99
95) Naphthalene	13.75	128	202989	19.66	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69581	20.19	ug/l	98

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

