

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110618\
 Data File : VU027976.D
 Acq On : 06 Nov 2018 10:58
 Operator : MD/SY
 Sample : VU1106WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 11:21:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343627	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	320459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153096	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145973	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	4.89	113	108813	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	7.57	98	415222	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	10.31	95	152576	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.21	85	40665	16.146	ug/l	96
3) Chloromethane	1.33	50	55054	18.074	ug/l	97
4) Vinyl Chloride	1.41	62	54818	18.133	ug/l	98
5) Bromomethane	1.63	94	26052	23.297	ug/l	99
6) Chloroethane	1.70	64	32798	18.826	ug/l	99
7) Trichlorofluoromethane	1.89	101	65354	18.708	ug/l	94
8) Diethyl Ether	2.11	74	29319	19.601	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40830	19.674	ug/l	98
10) Methyl Iodide	2.41	142	31113	21.551	ug/l	97
11) Tert butyl alcohol	2.83	59	71778	92.008	ug/l	99
12) 1,1-Dichloroethene	2.29	96	38546	18.556	ug/l	98
13) Acrolein	2.20	56	36410	123.441	ug/l	98
14) Allyl chloride	2.59	41	92416	18.203	ug/l	99
15) Acrylonitrile	2.94	53	187961	98.085	ug/l	99
16) Acetone	2.32	43	167410	91.564	ug/l	100
17) Carbon Disulfide	2.48	76	116856	17.210	ug/l	100
18) Methyl Acetate	2.62	43	93990	18.688	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	165794	19.791	ug/l	99
20) Methylene Chloride	2.70	84	49492	18.540	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	42992	17.933	ug/l	97
22) Diisopropyl ether	3.58	45	202625	19.331	ug/l	94
23) Vinyl Acetate	3.53	43	867531	96.304	ug/l	100
24) 1,1-Dichloroethane	3.45	63	97547	18.684	ug/l	99
25) 2-Butanone	4.26	43	274133	94.246	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75115	19.171	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52037	19.357	ug/l	99
28) Bromochloromethane	4.55	49	49553	20.246	ug/l	98
29) Tetrahydrofuran	4.64	42	179329	92.330	ug/l	99
30) Chloroform	4.68	83	90200	18.842	ug/l	99
31) Cyclohexane	5.00	56	93766	17.193	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	73686	19.337	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66207	18.396	ug/l	99
37) Ethyl Acetate	4.39	43	100339	19.028	ug/l #	94
38) Carbon Tetrachloride	5.14	117	59129	18.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	80660	18.582	ug/l	100
40) Benzene	5.39	78	211778	19.247	ug/l	100
41) Methacrylonitrile	4.55	41	54738	19.451	ug/l	99
42) 1,2-Dichloroethane	5.41	62	73989	18.917	ug/l	100
43) Isopropyl Acetate	5.55	43	160528	19.431	ug/l	97
44) Trichloroethene	6.19	130	45174	19.099	ug/l	96
45) 1,2-Dichloropropane	6.44	63	61453	19.366	ug/l	96
46) Dibromomethane	6.56	93	35498	19.461	ug/l	98
47) Bromodichloromethane	6.76	83	69266	19.705	ug/l	99
48) Methyl methacrylate	6.62	41	79554	19.650	ug/l	100
49) 1,4-Dioxane	6.61	88	25114	380.216	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	519357	94.132	ug/l	100
52) Toluene	7.64	92	121415	18.769	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	77735	18.552	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	85215	19.665	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	53106	20.179	ug/l	97
56) Ethyl methacrylate	8.02	69	91402	19.694	ug/l	98
57) 1,3-Dichloropropane	8.24	76	92211	19.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	235690	94.819	ug/l	99
59) 2-Hexanone	8.36	43	405280	94.973	ug/l	100
60) Dibromochloromethane	8.48	129	47406	19.036	ug/l	97
61) 1,2-Dibromoethane	8.59	107	52314	18.707	ug/l	94
64) Tetrachloroethene	8.23	164	38362	18.462	ug/l	99
65) Chlorobenzene	9.12	112	127985	18.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	44715	19.336	ug/l	98
67) Ethyl Benzene	9.25	91	236575	18.983	ug/l	100
68) m/p-Xylenes	9.38	106	170078	37.613	ug/l	98
69) o-Xylene	9.78	106	84283	18.459	ug/l	97
70) Styrene	9.79	104	138249	18.949	ug/l	99
71) Bromoform	9.96	173	36116	18.635	ug/l #	97
73) Isopropylbenzene	10.17	105	230767	19.457	ug/l	100
74) N-amyl acetate	10.01	43	139356	19.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	91594	19.146	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89881m	21.463	ug/l	
77) Bromobenzene	10.45	156	53274	19.589	ug/l	99
78) n-propylbenzene	10.59	91	274395	19.328	ug/l	99
79) 2-Chlorotoluene	10.66	91	160856	18.903	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	189942	19.333	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35033m	21.041	ug/l	
82) 4-Chlorotoluene	10.77	91	182378	18.879	ug/l	100
83) tert-Butylbenzene	11.10	119	187364	19.076	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	193233	19.532	ug/l	99
85) sec-Butylbenzene	11.32	105	234101	19.598	ug/l	100
86) p-Isopropyltoluene	11.48	119	196377	19.666	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	97089	19.326	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96608	18.762	ug/l	99
89) n-Butylbenzene	11.89	91	179989	18.966	ug/l	99
90) Hexachloroethane	12.15	117	33011	18.568	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	97492	19.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19702	19.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	61887	17.912	ug/l	98
94) Hexachlorobutadiene	13.69	225	30731	19.139	ug/l	98
95) Naphthalene	13.74	128	228315	18.065	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67459	19.899	ug/l	99

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

