

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025361.D
 Acq On : 13 Jul 2018 00:49
 Operator : MD/SY
 Sample : VU0712WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:20 AM

Quant Time: Jul 13 04:50:26 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	163541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252088	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	128203	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	4.89	113	102621	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.57	98	337251	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	10.31	95	133195	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29888	17.659	ug/l	99
3) Chloromethane	1.33	50	31561	19.068	ug/l	98
4) Vinyl Chloride	1.40	62	33945	18.251	ug/l	99
5) Bromomethane	1.62	94	23154	21.322	ug/l	96
6) Chloroethane	1.70	64	23648	20.168	ug/l	98
7) Trichlorofluoromethane	1.89	101	56668	19.387	ug/l	100
8) Diethyl Ether	2.10	74	22881	20.860	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36138	19.951	ug/l	99
10) Methyl Iodide	2.41	142	38259	23.668	ug/l	98
11) Tert butyl alcohol	2.82	59	59453	107.261	ug/l	99
12) 1,1-Dichloroethene	2.28	96	32160	19.400	ug/l	95
13) Acrolein	2.19	56	16918	46.137	ug/l	95
14) Allyl chloride	2.59	41	54772	18.218	ug/l	98
15) Acrylonitrile	2.94	53	116556	102.280	ug/l	98
16) Acetone	2.32	43	113959	91.051	ug/l	98
17) Carbon Disulfide	2.48	76	74752	16.765	ug/l	99
18) Methyl Acetate	2.62	43	61554	23.662	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	134206	21.284	ug/l	99
20) Methylene Chloride	2.70	84	39915	20.717	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	34650	18.291	ug/l	97
22) Diisopropyl ether	3.57	45	130540	21.261	ug/l	95
23) Vinyl Acetate	3.53	43	544558	101.105	ug/l	99
24) 1,1-Dichloroethane	3.45	63	74164	21.418	ug/l	98
25) 2-Butanone	4.26	43	171052	97.128	ug/l	96
26) 2,2-Dichloropropane	4.23	77	52780	15.853	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	43612	19.897	ug/l	98
28) Bromochloromethane	4.55	49	35867	21.451	ug/l	96
29) Tetrahydrofuran	4.64	42	109835	103.978	ug/l	98
30) Chloroform	4.68	83	77403	21.108	ug/l	98
31) Cyclohexane	5.00	56	61063	19.488	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	70334	21.164	ug/l	99
36) 1,1-Dichloropropene	5.14	75	50975	18.189	ug/l	98
37) Ethyl Acetate	4.38	43	61914	19.809	ug/l	98
38) Carbon Tetrachloride	5.14	117	59431	19.702	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	60728	17.372	ug/l	97
40) Benzene	5.39	78	158599	19.637	ug/l	96
41) Methacrylonitrile	4.55	41	36310	20.954	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65499	20.402	ug/l	99
43) Isopropyl Acetate	5.55	43	102216	20.422	ug/l	100
44) Trichloroethene	6.19	130	43449	18.736	ug/l	99
45) 1,2-Dichloropropane	6.44	63	42673	20.173	ug/l	99
46) Dibromomethane	6.56	93	30446	19.777	ug/l	100
47) Bromodichloromethane	6.76	83	57158	19.987	ug/l	99
48) Methyl methacrylate	6.63	41	51280	20.552	ug/l	99
49) 1,4-Dioxane	6.62	88	23717	395.024	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	325144	99.949	ug/l	100
52) Toluene	7.64	92	99664	19.396	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	57963	18.448	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	62287	18.626	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	42676	19.942	ug/l	99
56) Ethyl methacrylate	8.02	69	65638	19.638	ug/l	100
57) 1,3-Dichloropropane	8.25	76	71841	20.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120283	80.975	ug/l	98
59) 2-Hexanone	8.36	43	249010	94.368	ug/l	99
60) Dibromochloromethane	8.48	129	45222	19.567	ug/l	99
61) 1,2-Dibromoethane	8.59	107	45577	19.905	ug/l	100
64) Tetrachloroethene	8.23	164	41689	19.708	ug/l	98
65) Chlorobenzene	9.12	112	114678	19.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	43784	21.114	ug/l	99
67) Ethyl Benzene	9.25	91	191458	19.372	ug/l	99
68) m/p-Xylenes	9.38	106	148862	38.960	ug/l	97
69) o-Xylene	9.78	106	76339	19.956	ug/l	98
70) Styrene	9.80	104	117534	19.343	ug/l	99
71) Bromoform	9.96	173	33060	19.570	ug/l	# 99
73) Isopropylbenzene	10.17	105	203080	20.229	ug/l	99
74) N-amyl acetate	10.01	43	84563	21.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	68374	20.818	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	61567m	23.184	ug/l	
77) Bromobenzene	10.45	156	52690	20.516	ug/l	99
78) n-propylbenzene	10.59	91	219162	19.674	ug/l	100
79) 2-Chlorotoluene	10.66	91	138760	21.776	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	169339	20.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17244m	16.474	ug/l	
82) 4-Chlorotoluene	10.78	91	156097	19.789	ug/l	98
83) tert-Butylbenzene	11.10	119	171991	20.149	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	169542	19.584	ug/l	98
85) sec-Butylbenzene	11.33	105	201745	20.073	ug/l	100
86) p-Isopropyltoluene	11.48	119	172378	19.370	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	90748	19.334	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	89607	20.451	ug/l	97
89) n-Butylbenzene	11.89	91	130668	17.861	ug/l	100
90) Hexachloroethane	12.15	117	28014	18.590	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	95795	20.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15649	19.645	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	52248	18.663	ug/l	98
94) Hexachlorobutadiene	13.70	225	30751	18.139	ug/l	98
95) Naphthalene	13.74	128	166702	18.859	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	56201	19.086	ug/l	99

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

