

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025339.D
 Acq On : 12 Jul 2018 15:06
 Operator : MD/SY
 Sample : VU0712WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:14 AM

Quant Time: Jul 13 01:28:24 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	158466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	232552	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	214855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129342	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96449	39.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.36%	
35) Dibromofluoromethane	4.89	113	75996	38.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.48%	
50) Toluene-d8	7.57	98	251461	37.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.86%	
62) 4-Bromofluorobenzene	10.31	95	104049	38.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	29847	18.200	ug/l	100
3) Chloromethane	1.33	50	30622	19.093	ug/l	99
4) Vinyl Chloride	1.40	62	33428	18.549	ug/l	100
5) Bromomethane	1.63	94	22009	20.803	ug/l	99
6) Chloroethane	1.70	64	22771	20.044	ug/l	98
7) Trichlorofluoromethane	1.89	101	56284	19.872	ug/l	100
8) Diethyl Ether	2.10	74	21929	20.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35061	19.976	ug/l	99
10) Methyl Iodide	2.41	142	32265	21.598	ug/l	99
11) Tert butyl alcohol	2.82	59	50135	93.347	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30119	18.750	ug/l	96
13) Acrolein	2.19	56	17009	47.871	ug/l	95
14) Allyl chloride	2.59	41	54104	18.572	ug/l	98
15) Acrylonitrile	2.94	53	110397	99.978	ug/l	98
16) Acetone	2.32	43	128433	105.108	ug/l	99
17) Carbon Disulfide	2.48	76	74355	17.159	ug/l	98
18) Methyl Acetate	2.62	43	55247	21.917	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	124915	20.445	ug/l	99
20) Methylene Chloride	2.70	84	38716	20.738	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	33763	18.393	ug/l	92
22) Diisopropyl ether	3.57	45	121261	20.382	ug/l	95
23) Vinyl Acetate	3.53	43	516089	98.888	ug/l	100
24) 1,1-Dichloroethane	3.45	63	70291	20.950	ug/l	99
25) 2-Butanone	4.26	43	168567	98.783	ug/l	100
26) 2,2-Dichloropropane	4.23	77	64778	20.080	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	41647	19.609	ug/l	98
28) Bromochloromethane	4.55	49	22536	13.910	ug/l	97
29) Tetrahydrofuran	4.64	42	97838	95.587	ug/l	99
30) Chloroform	4.68	83	72797	20.488	ug/l	98
31) Cyclohexane	5.00	56	60617	19.947	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	65724	20.410	ug/l	98
36) 1,1-Dichloropropene	5.14	75	50719	19.618	ug/l	99
37) Ethyl Acetate	4.38	43	55934	19.399	ug/l	98
38) Carbon Tetrachloride	5.14	117	56142	20.175	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61327	19.017	ug/l	97
40) Benzene	5.39	78	149122	20.015	ug/l	97
41) Methacrylonitrile	4.55	41	31845	19.921	ug/l	98
42) 1,2-Dichloroethane	5.41	62	62635	21.149	ug/l	99
43) Isopropyl Acetate	5.55	43	93871	20.330	ug/l	99
44) Trichloroethene	6.19	130	41653	19.470	ug/l	97
45) 1,2-Dichloropropane	6.44	63	39455	20.219	ug/l	100
46) Dibromomethane	6.56	93	28966	20.397	ug/l	98
47) Bromodichloromethane	6.76	83	54084	20.501	ug/l	99
48) Methyl methacrylate	6.63	41	47978	20.844	ug/l	99
49) 1,4-Dioxane	6.62	88	23073	416.581	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	301840	100.580	ug/l	99
52) Toluene	7.64	92	96155	20.286	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	58157	20.064	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	60671	19.667	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	40096	20.311	ug/l	97
56) Ethyl methacrylate	8.02	69	61330	19.891	ug/l	100
57) 1,3-Dichloropropane	8.25	76	67657	20.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	125726	90.776	ug/l	99
59) 2-Hexanone	8.36	43	231547	95.122	ug/l	99
60) Dibromochloromethane	8.48	129	42225	19.805	ug/l	99
61) 1,2-Dibromoethane	8.59	107	43888	20.777	ug/l	99
64) Tetrachloroethene	8.23	164	40118	20.484	ug/l	92
65) Chlorobenzene	9.12	112	109211	20.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40070	20.870	ug/l	95
67) Ethyl Benzene	9.25	91	187875	20.532	ug/l	98
68) m/p-Xylenes	9.38	106	143999	40.705	ug/l	96
69) o-Xylene	9.78	106	72529	20.478	ug/l	96
70) Styrene	9.80	104	116560	20.719	ug/l	99
71) Bromoform	9.96	173	31771	20.139	ug/l #	100
73) Isopropylbenzene	10.17	105	199446	20.182	ug/l	99
74) N-amyl acetate	10.01	43	77988	20.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	64307	19.890	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	57388m	22.000	ug/l	
77) Bromobenzene	10.45	156	49851	19.718	ug/l	99
78) n-propylbenzene	10.59	91	220122	20.073	ug/l	100
79) 2-Chlorotoluene	10.66	91	134567	21.454	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	167287	20.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	18366m	17.823	ug/l	
82) 4-Chlorotoluene	10.78	91	152660	19.660	ug/l	100
83) tert-Butylbenzene	11.10	119	167492	19.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	167586	19.664	ug/l	99
85) sec-Butylbenzene	11.33	105	202959	20.513	ug/l	100
86) p-Isopropyltoluene	11.48	119	176638	20.162	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	90931	19.680	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	91655	21.192	ug/l	100
89) n-Butylbenzene	11.89	91	138083	19.174	ug/l	99
90) Hexachloroethane	12.15	117	28320	19.091	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	93277	19.989	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15651	19.959	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	53875	19.393	ug/l	100
94) Hexachlorobutadiene	13.70	225	32282	19.343	ug/l	100
95) Naphthalene	13.75	128	163400	18.789	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56911	19.561	ug/l	96

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

