

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029162.D
 Acq On : 14 Jan 2019 13:48
 Operator : JC/SP
 Sample : VU0114WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:40 AM

Quant Time: Jan 14 23:28:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	71667	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
35) Dibromofluoromethane	4.88	113	60307	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	7.56	98	230081	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	10.30	95	79957	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	21067	19.137	ug/l	100
3) Chloromethane	1.33	50	32196	17.875	ug/l	100
4) Vinyl Chloride	1.40	62	31932	19.683	ug/l	98
5) Bromomethane	1.62	94	17373	18.943	ug/l	95
6) Chloroethane	1.69	64	19520	20.201	ug/l	99
7) Trichlorofluoromethane	1.88	101	35214	19.920	ug/l	100
8) Diethyl Ether	2.10	74	16580	19.523	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	23832	20.149	ug/l	97
10) Methyl Iodide	2.41	142	18572	16.699	ug/l	98
11) Tert butyl alcohol	2.83	59	38349	109.945	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22939	19.925	ug/l	97
13) Acrolein	2.19	56	23246	88.754	ug/l	97
14) Allyl chloride	2.59	41	38892	18.411	ug/l	89
15) Acrylonitrile	2.93	53	93007	108.687	ug/l	99
16) Acetone	2.32	43	77069	89.153	ug/l	99
17) Carbon Disulfide	2.48	76	72046	18.547	ug/l	99
18) Methyl Acetate	2.61	43	46223	22.996	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81843	20.220	ug/l	99
20) Methylene Chloride	2.70	84	29545	20.130	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25742	19.245	ug/l	98
22) Diisopropyl ether	3.57	45	88418	21.179	ug/l	95
23) Vinyl Acetate	3.52	43	355342	104.114	ug/l	100
24) 1,1-Dichloroethane	3.44	63	50578	20.986	ug/l	99
25) 2-Butanone	4.26	43	124418	106.561	ug/l	100
26) 2,2-Dichloropropane	4.22	77	38139	19.585	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	30751	21.020	ug/l	97
28) Bromochloromethane	4.55	49	22547	21.848	ug/l	99
29) Tetrahydrofuran	4.64	42	80372	113.495	ug/l	98
30) Chloroform	4.67	83	48889	21.298	ug/l	99
31) Cyclohexane	4.99	56	46701	19.851	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	39320	20.730	ug/l	98
36) 1,1-Dichloropropene	5.13	75	36580	20.021	ug/l	98
37) Ethyl Acetate	4.38	43	43429	21.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	31542	20.699	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	42234	18.803	ug/l	99
40) Benzene	5.39	78	117193	20.563	ug/l	99
41) Methacrylonitrile	4.54	41	22919	21.350	ug/l	99
42) 1,2-Dichloroethane	5.40	62	36619	21.383	ug/l	100
43) Isopropyl Acetate	5.55	43	67857	22.057	ug/l	98
44) Trichloroethene	6.18	130	28064	19.874	ug/l	94
45) 1,2-Dichloropropane	6.43	63	31292	20.792	ug/l	97
46) Dibromomethane	6.56	93	20023	20.812	ug/l	98
47) Bromodichloromethane	6.76	83	37777	21.326	ug/l	97
48) Methyl methacrylate	6.62	41	32479	21.682	ug/l	99
49) 1,4-Dioxane	6.61	88	16694	470.252	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	228703	109.234	ug/l	100
52) Toluene	7.63	92	69700	20.090	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41780	19.634	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	46062	20.033	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29664	21.342	ug/l	98
56) Ethyl methacrylate	8.02	69	43049	20.104	ug/l	98
57) 1,3-Dichloropropane	8.24	76	49249	20.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	90036	95.609	ug/l	99
59) 2-Hexanone	8.36	43	172807	105.148	ug/l	99
60) Dibromochloromethane	8.48	129	28419	20.638	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31378	20.815	ug/l	100
64) Tetrachloroethene	8.22	164	24528	19.994	ug/l	96
65) Chlorobenzene	9.12	112	75051	19.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26430	21.335	ug/l	97
67) Ethyl Benzene	9.25	91	127171	19.954	ug/l	99
68) m/p-Xylenes	9.37	106	98725	39.867	ug/l	98
69) o-Xylene	9.78	106	48108	20.162	ug/l	99
70) Styrene	9.79	104	77374	19.781	ug/l	99
71) Bromoform	9.95	173	22414	20.320	ug/l #	99
73) Isopropylbenzene	10.16	105	122498	19.870	ug/l	98
74) N-amyl acetate	10.01	43	53486	20.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51361	20.787	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	43556m	21.343	ug/l	
77) Bromobenzene	10.45	156	31831	19.813	ug/l	98
78) n-propylbenzene	10.58	91	147577	20.312	ug/l	98
79) 2-Chlorotoluene	10.66	91	88528	20.087	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	103209	20.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	11976m	15.135	ug/l	
82) 4-Chlorotoluene	10.77	91	99118	19.613	ug/l	99
83) tert-Butylbenzene	11.10	119	101629	20.028	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	104543	20.339	ug/l	100
85) sec-Butylbenzene	11.32	105	125313	20.420	ug/l	100
86) p-Isopropyltoluene	11.47	119	106663	20.397	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56934	19.320	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	57964	19.056	ug/l	99
89) n-Butylbenzene	11.89	91	92651	19.851	ug/l	99
90) Hexachloroethane	12.14	117	17172	19.520	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	57543	19.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10420	21.926	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35448	18.709	ug/l	99
94) Hexachlorobutadiene	13.69	225	17543	20.243	ug/l	97
95) Naphthalene	13.74	128	116932	18.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	38352	20.133	ug/l	98

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

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