

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029243.D
 Acq On : 21 Jan 2019 12:56
 Operator : JC/SP
 Sample : VU0121WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:22 AM

Quant Time: Jan 22 01:49:59 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	115274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72235	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	4.88	113	61727	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	7.56	98	234403	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	10.30	95	83140	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20165	17.639	ug/l	98
3) Chloromethane	1.33	50	29792	15.851	ug/l	98
4) Vinyl Chloride	1.40	62	28994	17.210	ug/l	98
5) Bromomethane	1.62	94	16287	16.787	ug/l	99
6) Chloroethane	1.69	64	17678	17.617	ug/l	100
7) Trichlorofluoromethane	1.88	101	32952	17.950	ug/l	100
8) Diethyl Ether	2.10	74	16512	18.723	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22624	18.419	ug/l	98
10) Methyl Iodide	2.41	142	23952	20.739	ug/l	99
11) Tert butyl alcohol	2.82	59	37095	102.411	ug/l	97
12) 1,1-Dichloroethene	2.28	96	21412	17.910	ug/l	97
13) Acrolein	2.19	56	18236	67.048	ug/l	100
14) Allyl chloride	2.59	41	44749m	20.400	ug/l	
15) Acrylonitrile	2.93	53	93689	105.429	ug/l	99
16) Acetone	2.32	43	100243	111.666	ug/l	99
17) Carbon Disulfide	2.48	76	63840	15.744	ug/l	99
18) Methyl Acetate	2.61	43	49848	23.881	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	80844	19.234	ug/l	99
20) Methylene Chloride	2.70	84	27462	18.018	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	24626	17.729	ug/l	98
22) Diisopropyl ether	3.57	45	88132	20.328	ug/l	94
23) Vinyl Acetate	3.52	43	349087	98.494	ug/l	99
24) 1,1-Dichloroethane	3.45	63	49198	19.658	ug/l	99
25) 2-Butanone	4.26	43	133463	110.075	ug/l	98
26) 2,2-Dichloropropane	4.22	77	39697	19.630	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	29294	19.283	ug/l	99
28) Bromochloromethane	4.55	49	22290	20.799	ug/l	94
29) Tetrahydrofuran	4.63	42	78484	106.725	ug/l	97
30) Chloroform	4.67	83	47199	19.800	ug/l	95
31) Cyclohexane	4.99	56	44570	18.150	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	38049	19.317	ug/l	98
36) 1,1-Dichloropropene	5.13	75	34528	18.742	ug/l	97
37) Ethyl Acetate	4.38	43	42203	20.870	ug/l	99
38) Carbon Tetrachloride	5.13	117	30658	19.953	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40363	17.822	ug/l	98
40) Benzene	5.39	78	111105	19.334	ug/l	99
41) Methacrylonitrile	4.54	41	23844	22.028	ug/l	98
42) 1,2-Dichloroethane	5.40	62	35759	20.708	ug/l	100
43) Isopropyl Acetate	5.55	43	67080	21.625	ug/l	98
44) Trichloroethene	6.19	130	26426	18.560	ug/l	98
45) 1,2-Dichloropropane	6.43	63	30821	20.310	ug/l	99
46) Dibromomethane	6.56	93	19444	20.043	ug/l	98
47) Bromodichloromethane	6.76	83	36257	20.299	ug/l	99
48) Methyl methacrylate	6.62	41	32376	21.434	ug/l	98
49) 1,4-Dioxane	6.61	88	16244	453.800	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	230279	109.079	ug/l	98
52) Toluene	7.63	92	66947	19.137	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	42234	19.684	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	45693	19.708	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	28230	20.143	ug/l	97
56) Ethyl methacrylate	8.02	69	42495	19.681	ug/l	96
57) 1,3-Dichloropropane	8.24	76	47978	20.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	94088	99.087	ug/l	99
59) 2-Hexanone	8.36	43	179369	108.240	ug/l	100
60) Dibromochloromethane	8.48	129	27954	20.133	ug/l	99
61) 1,2-Dibromoethane	8.58	107	29625	19.490	ug/l	100
64) Tetrachloroethene	8.22	164	22966	18.697	ug/l	95
65) Chlorobenzene	9.12	112	72822	19.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26097	21.039	ug/l	97
67) Ethyl Benzene	9.25	91	124316	19.481	ug/l	99
68) m/p-Xylenes	9.37	106	92666	37.372	ug/l	97
69) o-Xylene	9.78	106	46436	19.436	ug/l	99
70) Styrene	9.79	104	75048	19.162	ug/l	99
71) Bromoform	9.96	173	22852	20.690	ug/l #	99
73) Isopropylbenzene	10.16	105	122502	20.312	ug/l	99
74) N-amyl acetate	10.01	43	54771	21.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51209	21.185	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43937m	22.008	ug/l	
77) Bromobenzene	10.45	156	31365	19.956	ug/l	98
78) n-propylbenzene	10.58	91	146837	20.659	ug/l	98
79) 2-Chlorotoluene	10.66	91	85947	19.934	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	102233	20.299	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	14944m	19.305	ug/l	
82) 4-Chlorotoluene	10.77	91	97330	19.687	ug/l	100
83) tert-Butylbenzene	11.10	119	91329	18.398	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	97593	19.408	ug/l	96
85) sec-Butylbenzene	11.32	105	120295	20.037	ug/l	99
86) p-Isopropyltoluene	11.47	119	102348	20.007	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	52394	18.174	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	53955	18.132	ug/l	98
89) n-Butylbenzene	11.89	91	89363	19.572	ug/l	99
90) Hexachloroethane	12.14	117	17763	20.640	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	51238	17.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10412	22.396	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	30441	16.423	ug/l	100
94) Hexachlorobutadiene	13.69	225	15988	18.858	ug/l	99
95) Naphthalene	13.74	128	95881	15.206	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31376	16.963	ug/l	98

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

