

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029029.D
 Acq On : 04 Jan 2019 15:52
 Operator : MD/SY
 Sample : VU0105WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 12:49:02 PM

Quant Time: Jan 05 04:15:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187190	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	177919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75651	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	4.88	113	63422	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	7.56	98	245692	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	10.30	95	83766	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	23530	21.099	ug/l	99
3) Chloromethane	1.33	50	37983	20.932	ug/l	98
4) Vinyl Chloride	1.40	62	34645	21.080	ug/l	98
5) Bromomethane	1.61	94	18185	19.680	ug/l	99
6) Chloroethane	1.69	64	20403	20.842	ug/l	99
7) Trichlorofluoromethane	1.88	101	37539	20.962	ug/l	99
8) Diethyl Ether	2.10	74	17651	20.516	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	24805	20.701	ug/l	98
10) Methyl Iodide	2.41	142	24420	21.674	ug/l	97
11) Tert butyl alcohol	2.83	59	33491	94.778	ug/l	98
12) 1,1-Dichloroethene	2.28	96	24088	20.653	ug/l	97
13) Acrolein	2.19	56	25034	94.348	ug/l	98
14) Allyl chloride	2.59	41	46186	21.582	ug/l	98
15) Acrylonitrile	2.94	53	90557	104.458	ug/l	99
16) Acetone	2.32	43	71768	81.950	ug/l	99
17) Carbon Disulfide	2.47	76	79565	20.270	ug/l	100
18) Methyl Acetate	2.62	43	41888	20.571	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	83515	20.367	ug/l	100
20) Methylene Chloride	2.70	84	29946	20.140	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	26928	19.872	ug/l	97
22) Diisopropyl ether	3.57	45	89783	21.228	ug/l	99
23) Vinyl Acetate	3.52	43	366501	105.998	ug/l	99
24) 1,1-Dichloroethane	3.44	63	52823	21.635	ug/l	100
25) 2-Butanone	4.26	43	117228	99.107	ug/l	99
26) 2,2-Dichloropropane	4.22	77	39152	19.846	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30431	20.533	ug/l	98
28) Bromochloromethane	4.55	49	24273	23.217	ug/l	99
29) Tetrahydrofuran	4.64	42	75147	104.748	ug/l	99
30) Chloroform	4.67	83	49860	21.440	ug/l	99
31) Cyclohexane	4.99	56	48885	20.549	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	40416	21.033	ug/l	98
36) 1,1-Dichloropropene	5.13	75	36885	19.714	ug/l	98
37) Ethyl Acetate	4.38	43	42040	20.470	ug/l	99
38) Carbon Tetrachloride	5.13	117	32404	20.765	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	44326	19.270	ug/l	99
40) Benzene	5.39	78	121650	20.844	ug/l	99
41) Methacrylonitrile	4.54	41	23203	21.106	ug/l	98
42) 1,2-Dichloroethane	5.40	62	37084	21.146	ug/l	100
43) Isopropyl Acetate	5.55	43	66406	21.078	ug/l	99
44) Trichloroethene	6.19	130	27883	19.282	ug/l	98
45) 1,2-Dichloropropane	6.43	63	32343	20.985	ug/l	100
46) Dibromomethane	6.56	93	20225	20.528	ug/l	98
47) Bromodichloromethane	6.76	83	38432	21.186	ug/l	97
48) Methyl methacrylate	6.62	41	32807	21.386	ug/l	97
49) 1,4-Dioxane	6.61	88	14030	385.920	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	222066	103.571	ug/l	99
52) Toluene	7.64	92	72011	20.268	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	43101	19.779	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	47423	20.140	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	30086	21.137	ug/l	98
56) Ethyl methacrylate	8.02	69	42989	19.604	ug/l	96
57) 1,3-Dichloropropane	8.24	76	49637	20.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	98783	102.431	ug/l	99
59) 2-Hexanone	8.36	43	167398	99.462	ug/l	98
60) Dibromochloromethane	8.48	129	28059	19.898	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31323	20.290	ug/l	98
64) Tetrachloroethene	8.22	164	24683	19.259	ug/l	96
65) Chlorobenzene	9.12	112	77577	19.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26440	20.429	ug/l	100
67) Ethyl Benzene	9.25	91	130269	19.565	ug/l	99
68) m/p-Xylenes	9.37	106	100575	38.875	ug/l	99
69) o-Xylene	9.78	106	48765	19.563	ug/l	99
70) Styrene	9.79	104	80079	19.596	ug/l	99
71) Bromoform	9.96	173	22556	19.573	ug/l #	100
73) Isopropylbenzene	10.16	105	126518	20.036	ug/l	100
74) N-amyl acetate	10.01	43	55677	20.462	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	51455	20.332	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42478m	20.322	ug/l	
77) Bromobenzene	10.45	156	32389	19.683	ug/l	98
78) n-propylbenzene	10.58	91	149382	20.074	ug/l	100
79) 2-Chlorotoluene	10.66	91	91094	20.180	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	104850	19.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	14554m	17.957	ug/l	
82) 4-Chlorotoluene	10.77	91	101945	19.695	ug/l	98
83) tert-Butylbenzene	11.10	119	102733	19.766	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	106272	20.186	ug/l	99
85) sec-Butylbenzene	11.32	105	124752	19.847	ug/l	99
86) p-Isopropyltoluene	11.47	119	105638	19.723	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	57464	19.038	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	58584	18.803	ug/l	99
89) n-Butylbenzene	11.89	91	90731	18.979	ug/l	98
90) Hexachloroethane	12.14	117	17722	19.668	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	58033	19.089	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10008	20.560	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	33997	17.518	ug/l	98
94) Hexachlorobutadiene	13.69	225	16217	18.269	ug/l	99
95) Naphthalene	13.74	128	113359	17.171	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36749	18.884	ug/l	97

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

