

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029083.D
 Acq On : 09 Jan 2019 10:26
 Operator : MD/SY
 Sample : VU0109WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:31 AM

Quant Time: Jan 10 04:39:24 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	111676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75189	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
35) Dibromofluoromethane	4.88	113	63196	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	7.56	98	242728	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.30	95	83015	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22042	19.902	ug/l	98
3) Chloromethane	1.33	50	35792	19.826	ug/l	99
4) Vinyl Chloride	1.40	62	33056	20.254	ug/l	98
5) Bromomethane	1.62	94	19689	21.748	ug/l	94
6) Chloroethane	1.69	64	20080	20.655	ug/l	99
7) Trichlorofluoromethane	1.88	101	35255	19.824	ug/l	99
8) Diethyl Ether	2.10	74	17341	20.296	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24322	20.440	ug/l	98
10) Methyl Iodide	2.41	142	23050	20.601	ug/l	97
11) Tert butyl alcohol	2.83	59	36774	104.796	ug/l	100
12) 1,1-Dichloroethene	2.28	96	23600	20.376	ug/l	98
13) Acrolein	2.19	56	25985	98.616	ug/l	98
14) Allyl chloride	2.59	41	41061	19.321	ug/l	92
15) Acrylonitrile	2.94	53	94816	110.135	ug/l	99
16) Acetone	2.32	43	88133	101.339	ug/l	99
17) Carbon Disulfide	2.48	76	74289	19.024	ug/l	99
18) Methyl Acetate	2.61	43	46300	22.896	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82376	20.230	ug/l	99
20) Methylene Chloride	2.70	84	29485	19.968	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	26435	19.645	ug/l	96
22) Diisopropyl ether	3.57	45	90249	21.487	ug/l	96
23) Vinyl Acetate	3.52	43	363770	105.943	ug/l	99
24) 1,1-Dichloroethane	3.44	63	51060	21.059	ug/l	99
25) 2-Butanone	4.26	43	130716	111.282	ug/l	100
26) 2,2-Dichloropropane	4.23	77	41069	20.963	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	30179	20.505	ug/l	98
28) Bromochloromethane	4.55	49	24236	23.344	ug/l	97
29) Tetrahydrofuran	4.64	42	80945	113.618	ug/l	98
30) Chloroform	4.67	83	49150	21.283	ug/l	100
31) Cyclohexane	4.99	56	47224	19.958	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	39561	20.732	ug/l	98
36) 1,1-Dichloropropene	5.13	75	37040	20.065	ug/l	98
37) Ethyl Acetate	4.38	43	44508	21.966	ug/l	99
38) Carbon Tetrachloride	5.13	117	31590	20.518	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	43430	19.137	ug/l	98
40) Benzene	5.39	78	117244	20.362	ug/l	99
41) Methacrylonitrile	4.54	41	24214	22.325	ug/l	97
42) 1,2-Dichloroethane	5.40	62	36918	21.337	ug/l	100
43) Isopropyl Acetate	5.55	43	68740	22.116	ug/l	98
44) Trichloroethene	6.19	130	27799	19.485	ug/l	94
45) 1,2-Dichloropropane	6.43	63	32025	21.061	ug/l	99
46) Dibromomethane	6.56	93	20035	20.611	ug/l	99
47) Bromodichloromethane	6.76	83	37855	21.151	ug/l	99
48) Methyl methacrylate	6.62	41	32106	21.213	ug/l	98
49) 1,4-Dioxane	6.61	88	15805	440.654	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	231107	109.253	ug/l	99
52) Toluene	7.64	92	70274	20.048	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	42425	19.733	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	46634	20.074	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29409	20.942	ug/l	99
56) Ethyl methacrylate	8.02	69	42664	19.720	ug/l	98
57) 1,3-Dichloropropane	8.24	76	49618	20.649	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	91915	96.605	ug/l	99
59) 2-Hexanone	8.36	43	178965	107.780	ug/l	98
60) Dibromochloromethane	8.48	129	28855	20.740	ug/l	99
61) 1,2-Dibromoethane	8.58	107	30666	20.135	ug/l	99
64) Tetrachloroethene	8.22	164	24614	19.971	ug/l	97
65) Chlorobenzene	9.12	112	74795	19.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25276	20.309	ug/l	100
67) Ethyl Benzene	9.25	91	124603	19.460	ug/l	99
68) m/p-Xylenes	9.37	106	96794	38.906	ug/l	99
69) o-Xylene	9.78	106	46929	19.577	ug/l	98
70) Styrene	9.79	104	76497	19.466	ug/l	99
71) Bromoform	9.96	173	22081	19.925	ug/l #	98
73) Isopropylbenzene	10.17	105	123040	20.427	ug/l	100
74) N-amyl acetate	10.01	43	54398	20.958	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51134	21.182	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43833m	21.984	ug/l	
77) Bromobenzene	10.45	156	31399	20.004	ug/l	97
78) n-propylbenzene	10.58	91	144626	20.375	ug/l	99
79) 2-Chlorotoluene	10.66	91	87776	20.385	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104143	20.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	15372m	19.884	ug/l	
82) 4-Chlorotoluene	10.77	91	97094	19.665	ug/l	100
83) tert-Butylbenzene	11.10	119	98085	19.785	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	103980	20.705	ug/l	99
85) sec-Butylbenzene	11.32	105	125049	20.856	ug/l	99
86) p-Isopropyltoluene	11.48	119	103960	20.348	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	55756	19.366	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	56220	18.917	ug/l	99
89) n-Butylbenzene	11.89	91	92250	20.230	ug/l	99
90) Hexachloroethane	12.14	117	16618	19.335	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	56546	19.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10240	22.054	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35001	18.907	ug/l	99
94) Hexachlorobutadiene	13.69	225	17864	21.098	ug/l	98
95) Naphthalene	13.74	128	112265	17.827	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36712	19.741	ug/l	99

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

