

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029235.D
 Acq On : 21 Jan 2019 08:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:07 AM

Quant Time: Jan 22 01:20:34 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	185647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	293247	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	144729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	112192	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	4.88	113	96558	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	7.56	98	372127	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.30	95	131442	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	80421	43.681	ug/l	99
3) Chloromethane	1.33	50	116150	39.378	ug/l	97
4) Vinyl Chloride	1.40	62	119200	43.934	ug/l	100
5) Bromomethane	1.61	94	59802	42.411	ug/l	96
6) Chloroethane	1.69	64	69176	42.805	ug/l	98
7) Trichlorofluoromethane	1.88	101	132474	44.809	ug/l	97
8) Diethyl Ether	2.10	74	64632	45.505	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89313	45.150	ug/l	99
10) Methyl Iodide	2.41	142	96851	52.071	ug/l	100
11) Tert butyl alcohol	2.83	59	130216	223.223	ug/l	100
12) 1,1-Dichloroethene	2.28	96	83814	43.530	ug/l	90
13) Acrolein	2.19	56	85688	195.621	ug/l	99
14) Allyl chloride	2.59	41	179189m	50.722	ug/l	
15) Acrylonitrile	2.93	53	364008	254.347	ug/l	99
16) Acetone	2.32	43	434981	300.872	ug/l	96
17) Carbon Disulfide	2.48	76	264048	41.317	ug/l	100
18) Methyl Acetate	2.61	43	189150	56.268	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	324004	47.864	ug/l	98
20) Methylene Chloride	2.70	84	109494	44.607	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	100602	44.972	ug/l	97
22) Diisopropyl ether	3.57	45	352711	50.516	ug/l	100
23) Vinyl Acetate	3.52	43	1430938	250.691	ug/l	99
24) 1,1-Dichloroethane	3.44	63	199830	49.578	ug/l	100
25) 2-Butanone	4.26	43	538182	275.612	ug/l	100
26) 2,2-Dichloropropane	4.22	77	164308	50.450	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	118340	48.368	ug/l	97
28) Bromochloromethane	4.55	49	87809	50.877	ug/l	99
29) Tetrahydrofuran	4.63	42	293526	247.842	ug/l	99
30) Chloroform	4.67	83	191730	49.942	ug/l	96
31) Cyclohexane	4.99	56	176546	46.318	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	154197	48.609	ug/l	99
36) 1,1-Dichloropropene	5.13	75	141938	48.424	ug/l	98
37) Ethyl Acetate	4.38	43	168278	52.303	ug/l	99
38) Carbon Tetrachloride	5.13	117	128711	52.649	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	175817	48.791	ug/l	99
40) Benzene	5.39	78	448587	49.063	ug/l	99
41) Methacrylonitrile	4.54	41	93267	54.155	ug/l	98
42) 1,2-Dichloroethane	5.40	62	147055	53.525	ug/l	98
43) Isopropyl Acetate	5.54	43	260001	52.680	ug/l	100
44) Trichloroethene	6.18	130	110309	48.693	ug/l	95
45) 1,2-Dichloropropane	6.43	63	126813	52.522	ug/l	99
46) Dibromomethane	6.56	93	78342	50.757	ug/l	99
47) Bromodichloromethane	6.76	83	150550	52.977	ug/l	100
48) Methyl methacrylate	6.62	41	129271	53.791	ug/l	99
49) 1,4-Dioxane	6.61	88	61089	1072.635	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	887654	264.271	ug/l	99
52) Toluene	7.63	92	269168	48.359	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	174167	51.019	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	188918	51.214	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	114369	51.290	ug/l	97
56) Ethyl methacrylate	8.02	69	176701	51.437	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197857	51.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	370540	245.264	ug/l	98
59) 2-Hexanone	8.36	43	733403	278.163	ug/l	98
60) Dibromochloromethane	8.48	129	117130	53.021	ug/l	98
61) 1,2-Dibromoethane	8.58	107	121621	50.290	ug/l	100
64) Tetrachloroethene	8.22	164	96964	50.959	ug/l	95
65) Chlorobenzene	9.12	112	272113	45.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	94351	49.104	ug/l	99
67) Ethyl Benzene	9.25	91	487443	49.310	ug/l	97
68) m/p-Xylenes	9.37	106	371348	96.683	ug/l	97
69) o-Xylene	9.78	106	185542	50.135	ug/l	98
70) Styrene	9.79	104	312215	51.462	ug/l	99
71) Bromoform	9.95	173	86955	50.825	ug/l #	100
73) Isopropylbenzene	10.16	105	485356	45.308	ug/l	100
74) N-amyl acetate	10.01	43	217334	47.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	204570	47.648	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	164189m	46.301	ug/l	
77) Bromobenzene	10.45	156	129623	46.432	ug/l	97
78) n-propylbenzene	10.58	91	626737	49.645	ug/l	99
79) 2-Chlorotoluene	10.66	91	355455	46.415	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	431648	48.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	74542m	54.214	ug/l	
82) 4-Chlorotoluene	10.77	91	421032	47.946	ug/l	99
83) tert-Butylbenzene	11.10	119	422898	47.963	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	444243	49.739	ug/l	99
85) sec-Butylbenzene	11.32	105	540272	50.666	ug/l	100
86) p-Isopropyltoluene	11.47	119	472575	52.008	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	244096	47.670	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	248860	47.083	ug/l	99
89) n-Butylbenzene	11.89	91	459152	56.615	ug/l	99
90) Hexachloroethane	12.14	117	79772	52.186	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	246826	47.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	43813	53.057	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	170758	51.866	ug/l	98
94) Hexachlorobutadiene	13.69	225	85142	56.539	ug/l	99
95) Naphthalene	13.74	128	523002	46.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	169435	49.991	ug/l	99

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

