

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112918\
 Data File : VU028406.D
 Acq On : 29 Nov 2018 20:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:26:10 AM

Quant Time: Nov 30 08:09:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	265780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	488458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	464917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	220505	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	4.88	113	159511	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.57	98	633221	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.30	95	245529	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	176559	49.521	ug/l	98
3) Chloromethane	1.33	50	311011	45.003	ug/l	100
4) Vinyl Chloride	1.40	62	244839	50.636	ug/l	99
5) Bromomethane	1.62	94	76979	41.163	ug/l	98
6) Chloroethane	1.69	64	136985	49.234	ug/l	94
7) Trichlorofluoromethane	1.88	101	255935	50.957	ug/l	99
8) Diethyl Ether	2.10	74	114861	49.195	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	150530	51.449	ug/l	99
10) Methyl Iodide	2.41	142	127527	46.221	ug/l	99
11) Tert butyl alcohol	2.82	59	239102	236.944	ug/l	99
12) 1,1-Dichloroethene	2.28	96	149472	52.643	ug/l	94
13) Acrolein	2.19	56	207877	231.717	ug/l	100
14) Allyl chloride	2.59	41	346558	46.716	ug/l	99
15) Acrylonitrile	2.94	53	692630	259.481	ug/l	100
16) Acetone	2.32	43	571703	210.402	ug/l	99
17) Carbon Disulfide	2.48	76	500315	45.907	ug/l	100
18) Methyl Acetate	2.61	43	381429	50.418	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	583031	50.086	ug/l	99
20) Methylene Chloride	2.70	84	186181	48.577	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	164590	49.983	ug/l	99
22) Diisopropyl ether	3.57	45	740836	50.725	ug/l	99
23) Vinyl Acetate	3.52	43	3098978	255.271	ug/l	100
24) 1,1-Dichloroethane	3.45	63	363271	50.448	ug/l	99
25) 2-Butanone	4.26	43	959615	246.424	ug/l	100
26) 2,2-Dichloropropane	4.23	77	267350	46.749	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	195885	50.300	ug/l	97
28) Bromochloromethane	4.55	49	175043	48.616	ug/l	98
29) Tetrahydrofuran	4.64	42	654468	258.852	ug/l	98
30) Chloroform	4.67	83	326041	49.054	ug/l	98
31) Cyclohexane	5.00	56	361334	48.873	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	267860	50.224	ug/l	100
36) 1,1-Dichloropropene	5.13	75	256295	47.949	ug/l	100
37) Ethyl Acetate	4.38	43	365017	50.111	ug/l	100
38) Carbon Tetrachloride	5.13	117	211038	48.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	305183	48.427	ug/l	99
40) Benzene	5.39	78	775800	49.005	ug/l	99
41) Methacrylonitrile	4.54	41	206352	51.011	ug/l	97
42) 1,2-Dichloroethane	5.40	62	276980	48.567	ug/l	99
43) Isopropyl Acetate	5.55	43	584822	50.665	ug/l	99
44) Trichloroethene	6.19	130	169049	49.817	ug/l	100
45) 1,2-Dichloropropane	6.43	63	227598	49.094	ug/l	100
46) Dibromomethane	6.56	93	132011	49.574	ug/l	99
47) Bromodichloromethane	6.76	83	255312	48.203	ug/l	99
48) Methyl methacrylate	6.62	41	297403	49.462	ug/l	100
49) 1,4-Dioxane	6.61	88	87009	905.829	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1855923	251.743	ug/l	98
52) Toluene	7.64	92	461040	50.573	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	306969	48.467	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	326449	48.112	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	187616	49.450	ug/l	99
56) Ethyl methacrylate	8.02	69	332946	51.583	ug/l	99
57) 1,3-Dichloropropane	8.24	76	340822	48.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	866471	250.039	ug/l	100
59) 2-Hexanone	8.36	43	1423295	249.238	ug/l	99
60) Dibromochloromethane	8.48	129	175365	48.599	ug/l	100
61) 1,2-Dibromoethane	8.58	107	199223	51.269	ug/l	99
64) Tetrachloroethene	8.23	164	139935	45.757	ug/l	99
65) Chlorobenzene	9.12	112	478205	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	160786	48.590	ug/l	100
67) Ethyl Benzene	9.25	91	895715	49.264	ug/l	100
68) m/p-Xylenes	9.37	106	656245	100.277	ug/l	98
69) o-Xylene	9.78	106	320724	49.299	ug/l	99
70) Styrene	9.79	104	536889	51.170	ug/l	100
71) Bromoform	9.96	173	133343	47.942	ug/l #	99
73) Isopropylbenzene	10.17	105	852059	47.183	ug/l	100
74) N-amyl acetate	10.01	43	525471	46.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	339934	45.775	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	300132m	46.613	ug/l	
77) Bromobenzene	10.45	156	196267	46.125	ug/l	97
78) n-propylbenzene	10.58	91	1068770	47.975	ug/l	100
79) 2-Chlorotoluene	10.66	91	612955	46.674	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	716468	47.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	106154m	43.763	ug/l	
82) 4-Chlorotoluene	10.77	91	717853	47.443	ug/l	100
83) tert-Butylbenzene	11.10	119	677850	47.783	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	736139	47.758	ug/l	100
85) sec-Butylbenzene	11.32	105	879768	47.747	ug/l	100
86) p-Isopropyltoluene	11.48	119	739119	48.785	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	368986	47.544	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	367818	47.092	ug/l	99
89) n-Butylbenzene	11.89	91	763799	51.082	ug/l	99
90) Hexachloroethane	12.14	117	108191	45.740	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	369048	47.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75747	45.856	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	262649	51.821	ug/l	98
94) Hexachlorobutadiene	13.69	225	116702	48.762	ug/l	98
95) Naphthalene	13.74	128	930943	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	262763	51.260	ug/l	99

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

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