

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112718\
 Data File : VU028342.D
 Acq On : 27 Nov 2018 17:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 11/28/2018 5:25:02 PM

Quant Time: Nov 28 04:34:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	195353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	340023	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	158382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	164501	56.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.28%	
35) Dibromofluoromethane	4.88	113	115474	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	7.56	98	454536	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
62) 4-Bromofluorobenzene	10.30	95	169284	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	112077	45.15	ug/l	96
3) Chloromethane	1.33	50	236219	78.68	ug/l	97
4) Vinyl Chloride	1.40	62	168249	56.47	ug/l	99
5) Bromomethane	1.60	94	65060	52.49	ug/l	100
6) Chloroethane	1.68	64	104895	61.09	ug/l	98
7) Trichlorofluoromethane	1.88	101	196049	56.94	ug/l	96
8) Diethyl Ether	2.10	74	90981	61.71	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	120078	58.71	ug/l	97
10) Methyl Iodide	2.41	142	100565	52.99	ug/l	99
11) Tert butyl alcohol	2.83	59	197907	257.39	ug/l	100
12) 1,1-Dichloroethene	2.28	96	110752	54.09	ug/l	93
13) Acrolein	2.19	56	38808	134.06	ug/l	94
14) Allyl chloride	2.59	41	285274	57.01	ug/l	99
15) Acrylonitrile	2.93	53	564595	298.93	ug/l	99
16) Acetone	2.32	43	655116	363.55	ug/l	98
17) Carbon Disulfide	2.48	76	369807	55.26	ug/l	100
18) Methyl Acetate	2.61	43	313295	63.20	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	479523	58.08	ug/l	98
20) Methylene Chloride	2.70	84	149787	56.93	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	127405	53.92	ug/l	97
22) Diisopropyl ether	3.57	45	613879	59.42	ug/l	98
23) Vinyl Acetate	3.52	43	2558268	288.14	ug/l	99
24) 1,1-Dichloroethane	3.44	63	301506	58.59	ug/l	99
25) 2-Butanone	4.26	43	917477	320.03	ug/l	99
26) 2,2-Dichloropropane	4.22	77	243604	63.08	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	153350	57.88	ug/l	95
28) Bromochloromethane	4.55	49	153184	63.50	ug/l	94
29) Tetrahydrofuran	4.63	42	531800	277.81	ug/l	99
30) Chloroform	4.67	83	273710	58.01	ug/l	98
31) Cyclohexane	4.99	56	281012	55.85	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	220520	58.71	ug/l	99
36) 1,1-Dichloropropene	5.13	75	203761	57.22	ug/l	98
37) Ethyl Acetate	4.38	43	290118	55.60	ug/l	100
38) Carbon Tetrachloride	5.13	117	175214	55.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	239146	55.68	ug/l	97
40) Benzene	5.39	78	621379	57.07	ug/l	100
41) Methacrylonitrile	4.54	41	170667	61.29	ug/l	99
42) 1,2-Dichloroethane	5.40	62	229908	59.41	ug/l	98
43) Isopropyl Acetate	5.55	43	466076	57.01	ug/l	99
44) Trichloroethene	6.18	130	131076	56.01	ug/l	98
45) 1,2-Dichloropropane	6.43	63	186391	59.36	ug/l	99
46) Dibromomethane	6.56	93	105043	58.20	ug/l	95
47) Bromodichloromethane	6.76	83	211831	60.90	ug/l	100
48) Methyl methacrylate	6.62	41	240323	59.99	ug/l	98
49) 1,4-Dioxane	6.61	88	74828	1144.87	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1578326	289.10	ug/l	99
52) Toluene	7.64	92	363881	56.85	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	250964	58.00	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	269894	62.94	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	150290	57.71	ug/l	97
56) Ethyl methacrylate	8.02	69	263909	57.47	ug/l	98
57) 1,3-Dichloropropane	8.24	76	280055	59.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	633179	257.43	ug/l	98
59) 2-Hexanone	8.36	43	1298639	307.55	ug/l	99
60) Dibromochloromethane	8.48	129	149403	60.63	ug/l	99
61) 1,2-Dibromoethane	8.58	107	156766	56.65	ug/l	99
64) Tetrachloroethene	8.22	164	115093	56.58	ug/l	97
65) Chlorobenzene	9.12	112	376250	56.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	130846	57.79	ug/l	99
67) Ethyl Benzene	9.25	91	710714	58.25	ug/l	100
68) m/p-Xylenes	9.37	106	514324	116.18	ug/l	96
69) o-Xylene	9.78	106	253467	56.70	ug/l	96
70) Styrene	9.79	104	423335	59.27	ug/l	99
71) Bromoform	9.96	173	114219	60.20	ug/l	# 99
73) Isopropylbenzene	10.17	105	676543	55.14	ug/l	99
74) N-amyl acetate	10.01	43	418768	56.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	283058	57.19	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	253186m	58.44	ug/l	
77) Bromobenzene	10.45	156	155270	55.19	ug/l	95
78) n-propylbenzene	10.58	91	846662	57.65	ug/l	99
79) 2-Chlorotoluene	10.66	91	498900	56.67	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	576350	56.70	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	90830m	52.34	ug/l	
82) 4-Chlorotoluene	10.77	91	573402	57.37	ug/l	98
83) tert-Butylbenzene	11.10	119	551105	54.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	600226	58.65	ug/l	99
85) sec-Butylbenzene	11.32	105	719229	58.20	ug/l	99
86) p-Isopropyltoluene	11.48	119	599481	58.03	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	293299	56.43	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	292015	54.82	ug/l	99
89) n-Butylbenzene	11.89	91	604264	61.55	ug/l	99
90) Hexachloroethane	12.14	117	91771	49.90	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297190	56.86	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	63706	61.09	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	196978	53.69	ug/l	98
94) Hexachlorobutadiene	13.69	225	95327	57.39	ug/l	98
95) Naphthalene	13.74	128	691364	53.23	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	201903	57.57	ug/l	100

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

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