

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028608.D
 Acq On : 11 Dec 2018 15:35
 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

MMDadoda
 12/12/2018 11:48:53 AM

Quant Time: Dec 12 04:20:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	161761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	73761	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.88	113	53319	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	7.56	98	214924	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	10.30	95	78632	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62344	49.386	ug/l	99
3) Chloromethane	1.33	50	105048	45.262	ug/l	100
4) Vinyl Chloride	1.40	62	81530	48.677	ug/l	99
5) Bromomethane	1.61	94	32659	48.406	ug/l	99
6) Chloroethane	1.69	64	45194	47.663	ug/l	99
7) Trichlorofluoromethane	1.88	101	84782	48.112	ug/l	100
8) Diethyl Ether	2.10	74	38277	46.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51576	48.938	ug/l	99
10) Methyl Iodide	2.41	142	46866	56.673	ug/l	99
11) Tert butyl alcohol	2.83	59	79266	247.533	ug/l	100
12) 1,1-Dichloroethene	2.28	96	48676	46.419	ug/l	94
13) Acrolein	2.19	56	61235	239.875	ug/l	100
14) Allyl chloride	2.59	41	113411	45.718	ug/l	97
15) Acrylonitrile	2.93	53	219806	247.239	ug/l	100
16) Acetone	2.32	43	230363	245.616	ug/l	98
17) Carbon Disulfide	2.48	76	174025	46.067	ug/l	99
18) Methyl Acetate	2.61	43	125809	51.746	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	194737	48.988	ug/l	100
20) Methylene Chloride	2.70	84	63012	45.575	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	55332	46.866	ug/l	99
22) Diisopropyl ether	3.57	45	242350	50.237	ug/l	100
23) Vinyl Acetate	3.52	43	997222	250.614	ug/l	99
24) 1,1-Dichloroethane	3.44	63	121487	48.110	ug/l	98
25) 2-Butanone	4.26	43	325010	253.571	ug/l	99
26) 2,2-Dichloropropane	4.22	77	97364	48.661	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	64737	48.444	ug/l	100
28) Bromochloromethane	4.55	49	60936	53.082	ug/l	98
29) Tetrahydrofuran	4.63	42	208234	252.963	ug/l	99
30) Chloroform	4.67	83	108689	49.384	ug/l	99
31) Cyclohexane	4.99	56	120036	48.680	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	90062	49.271	ug/l	98
36) 1,1-Dichloropropene	5.13	75	84304	47.626	ug/l	98
37) Ethyl Acetate	4.38	43	116795	51.041	ug/l	99
38) Carbon Tetrachloride	5.13	117	70657	49.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	105654	48.925	ug/l	98
40) Benzene	5.39	78	259879	49.848	ug/l	100
41) Methacrylonitrile	4.54	41	65833	52.534	ug/l	98
42) 1,2-Dichloroethane	5.40	62	90856	49.787	ug/l	98
43) Isopropyl Acetate	5.55	43	186727	51.592	ug/l	99
44) Trichloroethene	6.18	130	56508	48.748	ug/l	96
45) 1,2-Dichloropropane	6.43	63	75760	51.676	ug/l	99
46) Dibromomethane	6.56	93	43495	50.003	ug/l	99
47) Bromodichloromethane	6.76	83	84393	49.857	ug/l	99
48) Methyl methacrylate	6.62	41	93941	52.192	ug/l	100
49) 1,4-Dioxane	6.61	88	32062	1128.155	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	584631	256.108	ug/l	99
52) Toluene	7.64	92	152164	49.594	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	100561	49.883	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	110239	50.403	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	61633	50.817	ug/l	97
56) Ethyl methacrylate	8.02	69	106886	51.464	ug/l	99
57) 1,3-Dichloropropane	8.24	76	112227	49.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	269383	253.225	ug/l	100
59) 2-Hexanone	8.36	43	460827	254.696	ug/l	99
60) Dibromochloromethane	8.48	129	58974	49.665	ug/l	100
61) 1,2-Dibromoethane	8.58	107	64546	50.749	ug/l	98
64) Tetrachloroethene	8.22	164	49632	49.188	ug/l	98
65) Chlorobenzene	9.12	112	159378	49.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53870	52.333	ug/l	98
67) Ethyl Benzene	9.25	91	297744	50.245	ug/l	98
68) m/p-Xylenes	9.37	106	219196	101.656	ug/l	99
69) o-Xylene	9.78	106	106564	50.855	ug/l	100
70) Styrene	9.79	104	177255	51.115	ug/l	99
71) Bromoform	9.96	173	45290	51.720	ug/l #	100
73) Isopropylbenzene	10.16	105	281365	49.745	ug/l	100
74) N-amyl acetate	10.01	43	165714	50.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	110636	50.919	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	97917m	52.021	ug/l	
77) Bromobenzene	10.45	156	66613	50.356	ug/l	99
78) n-propylbenzene	10.58	91	351196	49.969	ug/l	100
79) 2-Chlorotoluene	10.66	91	203171	50.184	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	239134	51.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35574m	46.505	ug/l	
82) 4-Chlorotoluene	10.77	91	236034	49.199	ug/l	100
83) tert-Butylbenzene	11.10	119	228435	50.619	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	245477	50.874	ug/l	99
85) sec-Butylbenzene	11.32	105	291110	50.213	ug/l	99
86) p-Isopropyltoluene	11.48	119	244782	49.704	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	123093	49.279	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	121909	47.172	ug/l	98
89) n-Butylbenzene	11.89	91	245137	49.184	ug/l	100
90) Hexachloroethane	12.14	117	36695	49.297	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	122284	48.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24131	51.299	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	82614	48.149	ug/l	99
94) Hexachlorobutadiene	13.69	225	38870	47.492	ug/l	97
95) Naphthalene	13.74	128	279873	46.680	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	83147	48.663	ug/l	99

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

