

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026898.D
 Acq On : 19 Sep 2018 15:34
 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
 9/21/2018 4:12:22 PM

Quant Time: Sep 20 05:49:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	98269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69028	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.88	113	58786	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	7.57	98	213860	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	10.31	95	76862	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56109	52.848	ug/l	99
3) Chloromethane	1.32	50	70559	47.568	ug/l	99
4) Vinyl Chloride	1.40	62	70490	45.856	ug/l	98
5) Bromomethane	1.61	94	52039	54.050	ug/l	99
6) Chloroethane	1.69	64	45402	46.409	ug/l	98
7) Trichlorofluoromethane	1.88	101	92311	45.937	ug/l	99
8) Diethyl Ether	2.10	74	40457	45.944	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	57780	48.417	ug/l	99
10) Methyl Iodide	2.41	142	36750	36.703	ug/l	99
11) Tert butyl alcohol	2.83	59	71399	196.501	ug/l	100
12) 1,1-Dichloroethene	2.28	96	52785	46.788	ug/l	99
13) Acrolein	2.19	56	74672	304.955	ug/l	100
14) Allyl chloride	2.59	41	96252	47.370	ug/l	95
15) Acrylonitrile	2.93	53	190263	244.166	ug/l	99
16) Acetone	2.32	43	204872	242.745	ug/l	98
17) Carbon Disulfide	2.47	76	164769	45.902	ug/l	100
18) Methyl Acetate	2.61	43	92702	50.906	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	193360	49.778	ug/l	98
20) Methylene Chloride	2.70	84	66883	48.856	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	58958	49.607	ug/l	97
22) Diisopropyl ether	3.57	45	207597	48.953	ug/l	100
23) Vinyl Acetate	3.52	43	867902	240.926	ug/l	97
24) 1,1-Dichloroethane	3.44	63	117307	49.036	ug/l	98
25) 2-Butanone	4.26	43	268225	235.932	ug/l	97
26) 2,2-Dichloropropane	4.22	77	96777	49.216	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	66873	48.820	ug/l	99
28) Bromochloromethane	4.55	49	53502	46.770	ug/l	94
29) Tetrahydrofuran	4.64	42	161678	235.882	ug/l	99
30) Chloroform	4.67	83	113026	48.046	ug/l	97
31) Cyclohexane	5.00	56	104444	47.794	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	96962	49.782	ug/l	99
36) 1,1-Dichloropropene	5.13	75	85149	54.032	ug/l	99
37) Ethyl Acetate	4.38	43	92779	48.959	ug/l	99
38) Carbon Tetrachloride	5.13	117	85804	51.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	101301	54.140	ug/l	97
40) Benzene	5.39	78	258701	52.861	ug/l	99
41) Methacrylonitrile	4.54	41	52279	48.970	ug/l	99
42) 1,2-Dichloroethane	5.40	62	88404	50.658	ug/l	96
43) Isopropyl Acetate	5.55	43	141786	49.137	ug/l	98
44) Trichloroethene	6.19	130	66328	54.760	ug/l	94
45) 1,2-Dichloropropane	6.43	63	68829	51.735	ug/l	100
46) Dibromomethane	6.56	93	44064	51.325	ug/l	92
47) Bromodichloromethane	6.76	83	87818	51.946	ug/l	99
48) Methyl methacrylate	6.62	41	72979	46.361	ug/l	96
49) 1,4-Dioxane	6.61	88	32790	909.715	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	470651	243.850	ug/l	98
52) Toluene	7.64	92	161510	55.403	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	98078	52.303	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	106703	52.992	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	65310	52.289	ug/l	99
56) Ethyl methacrylate	8.02	69	94740	45.310	ug/l	97
57) 1,3-Dichloropropane	8.24	76	112911	53.038	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	236560	236.595	ug/l	95
59) 2-Hexanone	8.36	43	372408	245.171	ug/l	97
60) Dibromochloromethane	8.48	129	71529	52.878	ug/l	100
61) 1,2-Dibromoethane	8.59	107	68673	50.673	ug/l	100
64) Tetrachloroethene	8.23	164	59898	56.127	ug/l	96
65) Chlorobenzene	9.12	112	176550	52.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64535	52.652	ug/l	99
67) Ethyl Benzene	9.25	91	298573	54.409	ug/l	99
68) m/p-Xylenes	9.38	106	239947	114.946	ug/l	96
69) o-Xylene	9.78	106	114010	51.091	ug/l	97
70) Styrene	9.79	104	192494	51.188	ug/l	98
71) Bromoform	9.96	173	56042	52.572	ug/l #	99
73) Isopropylbenzene	10.17	105	307991	51.999	ug/l	99
74) N-amyl acetate	10.02	43	126569	45.263	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	105803	43.831	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	86054m	44.197	ug/l	
77) Bromobenzene	10.45	156	81504	50.631	ug/l	95
78) n-propylbenzene	10.59	91	360534	52.335	ug/l	99
79) 2-Chlorotoluene	10.66	91	212329	49.721	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	262205	52.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	32106m	53.416	ug/l	
82) 4-Chlorotoluene	10.77	91	247776	51.642	ug/l	98
83) tert-Butylbenzene	11.10	119	259962	51.452	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	272087	54.185	ug/l	99
85) sec-Butylbenzene	11.33	105	317531	52.921	ug/l	98
86) p-Isopropyltoluene	11.48	119	291095	50.457	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	152480	50.773	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	155684	49.917	ug/l	99
89) n-Butylbenzene	11.89	91	248494	47.083	ug/l	96
90) Hexachloroethane	12.15	117	48996	46.277	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	152148	50.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22490	46.471	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	110086	54.874	ug/l	99
94) Hexachlorobutadiene	13.69	225	58360	56.548	ug/l	98
95) Naphthalene	13.75	128	329182	48.801	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	113848	54.338	ug/l	99

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

