

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027091.D
 Acq On : 23 Sep 2018 22:38
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 135 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:40 PM

Quant Time: Sep 24 09:07:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144158	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86772	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	4.88	113	61646	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	7.57	98	240919	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	10.31	95	87473	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52506	47.938	ug/l	99
3) Chloromethane	1.33	50	88118	46.663	ug/l	100
4) Vinyl Chloride	1.40	62	85456	48.479	ug/l	99
5) Bromomethane	1.62	94	44659	44.489	ug/l	100
6) Chloroethane	1.69	64	55644	49.405	ug/l	98
7) Trichlorofluoromethane	1.88	101	97717	48.809	ug/l	98
8) Diethyl Ether	2.10	74	47939	49.747	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59082	47.995	ug/l	99
10) Methyl Iodide	2.41	142	60119	39.378	ug/l	99
11) Tert butyl alcohol	2.83	59	92762	239.696	ug/l	99
12) 1,1-Dichloroethene	2.28	96	56040	48.367	ug/l	96
13) Acrolein	2.20	56	50626	242.673	ug/l	98
14) Allyl chloride	2.59	41	129242	54.996	ug/l	98
15) Acrylonitrile	2.94	53	257589	264.089	ug/l	100
16) Acetone	2.32	43	219201	244.007	ug/l	100
17) Carbon Disulfide	2.48	76	180824	47.907	ug/l	100
18) Methyl Acetate	2.61	43	131189	54.590	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	233349	54.806	ug/l	100
20) Methylene Chloride	2.70	84	72500	47.946	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	63536	51.361	ug/l	100
22) Diisopropyl ether	3.57	45	287770	57.251	ug/l	97
23) Vinyl Acetate	3.53	43	1234921	288.219	ug/l	98
24) 1,1-Dichloroethane	3.45	63	144291	52.121	ug/l	99
25) 2-Butanone	4.26	43	366189	258.074	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97314	45.074	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	72564	51.942	ug/l	98
28) Bromochloromethane	4.55	49	80888	60.614	ug/l	95
29) Tetrahydrofuran	4.64	42	237877	277.130	ug/l	97
30) Chloroform	4.67	83	129995	50.587	ug/l	98
31) Cyclohexane	5.00	56	133547	53.104	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	106265	51.793	ug/l	99
36) 1,1-Dichloropropene	5.14	75	96918	50.374	ug/l	99
37) Ethyl Acetate	4.38	43	138264	53.086	ug/l	99
38) Carbon Tetrachloride	5.14	117	89592	48.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114461	54.745	ug/l	97
40) Benzene	5.39	78	294330	50.323	ug/l	100
41) Methacrylonitrile	4.54	41	77637	57.396	ug/l	98
42) 1,2-Dichloroethane	5.40	62	113821	51.508	ug/l	99
43) Isopropyl Acetate	5.55	43	210874	55.517	ug/l	99
44) Trichloroethene	6.19	130	61100	49.070	ug/l	96
45) 1,2-Dichloropropane	6.43	63	87935	52.766	ug/l	99
46) Dibromomethane	6.56	93	49688	49.367	ug/l	99
47) Bromodichloromethane	6.76	83	103537	50.874	ug/l	97
48) Methyl methacrylate	6.62	41	106493	51.481	ug/l	99
49) 1,4-Dioxane	6.61	88	35111	854.918	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	714987	279.878	ug/l	100
52) Toluene	7.64	92	178370	53.205	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	119156	54.493	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	127944	53.216	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	71926	50.633	ug/l	99
56) Ethyl methacrylate	8.02	69	123701	50.179	ug/l	96
57) 1,3-Dichloropropane	8.24	76	137400	52.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354717	253.514	ug/l	99
59) 2-Hexanone	8.36	43	542399	271.238	ug/l	99
60) Dibromochloromethane	8.48	129	72899	52.317	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74468	50.383	ug/l	100
64) Tetrachloroethene	8.23	164	52751	48.407	ug/l	98
65) Chlorobenzene	9.12	112	180654	48.178	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65246	50.518	ug/l	99
67) Ethyl Benzene	9.25	91	336493	54.572	ug/l	100
68) m/p-Xylenes	9.38	106	246961	98.914	ug/l	97
69) o-Xylene	9.78	106	119567	54.729	ug/l	97
70) Styrene	9.79	104	202424	49.637	ug/l	99
71) Bromoform	9.96	173	52794	52.860	ug/l #	99
73) Isopropylbenzene	10.17	105	323834	55.232	ug/l	100
74) N-amyl acetate	10.01	43	194421	57.286	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	128727	47.752	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	110509m	47.194	ug/l	
77) Bromobenzene	10.45	156	72176	50.375	ug/l	93
78) n-propylbenzene	10.59	91	397950	57.362	ug/l	99
79) 2-Chlorotoluene	10.66	91	233303	53.539	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	272403	56.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36097m	49.333	ug/l	
82) 4-Chlorotoluene	10.77	91	268231	54.896	ug/l	99
83) tert-Butylbenzene	11.10	119	258840	54.094	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	279892	56.825	ug/l	99
85) sec-Butylbenzene	11.32	105	329217	56.363	ug/l	99
86) p-Isopropyltoluene	11.48	119	280596	51.173	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	136875	51.337	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	137580	47.346	ug/l	99
89) n-Butylbenzene	11.89	91	265688	50.006	ug/l	99
90) Hexachloroethane	12.15	117	52644	49.562	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	136870	48.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29104	52.922	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	90163	55.244	ug/l	100
94) Hexachlorobutadiene	13.69	225	43348	50.197	ug/l	99
95) Naphthalene	13.74	128	325259	50.938	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	93551	53.450	ug/l	99

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

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