

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027309.D
 Acq On : 29 Sep 2018 06:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:44 PM

Quant Time: Oct 01 04:07:57 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	85285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146219	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	77938	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	4.88	113	56539	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	
50) Toluene-d8	7.57	98	211875	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
62) 4-Bromofluorobenzene	10.31	95	79893	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	56171	50.445	ug/l	100
3) Chloromethane	1.33	50	83664	43.579	ug/l	100
4) Vinyl Chloride	1.40	62	84709	47.269	ug/l	98
5) Bromomethane	1.61	94	68305	66.933	ug/l	99
6) Chloroethane	1.69	64	51312	44.814	ug/l	100
7) Trichlorofluoromethane	1.88	101	92178	45.289	ug/l	100
8) Diethyl Ether	2.10	74	45086	46.021	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53698	42.908	ug/l	99
10) Methyl Iodide	2.41	142	47820	30.809	ug/l	100
11) Tert butyl alcohol	2.83	59	91173	231.736	ug/l	98
12) 1,1-Dichloroethene	2.28	96	51319	43.568	ug/l	97
13) Acrolein	2.19	56	41858	197.362	ug/l	99
14) Allyl chloride	2.59	41	124409	52.074	ug/l	97
15) Acrylonitrile	2.94	53	246624	248.712	ug/l	99
16) Acetone	2.32	43	208147	226.741	ug/l	100
17) Carbon Disulfide	2.48	76	180895	47.142	ug/l	100
18) Methyl Acetate	2.61	43	137409	56.243	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	225914	52.192	ug/l	99
20) Methylene Chloride	2.70	84	70333	45.752	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	61420	48.838	ug/l	98
22) Diisopropyl ether	3.57	45	277245	54.255	ug/l	97
23) Vinyl Acetate	3.52	43	1173037	269.298	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141005	50.101	ug/l	99
25) 2-Butanone	4.26	43	346807	240.416	ug/l	99
26) 2,2-Dichloropropane	4.23	77	84322	38.417	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	69525	48.952	ug/l	98
28) Bromochloromethane	4.55	49	68510	50.498	ug/l	96
29) Tetrahydrofuran	4.64	42	230837	264.530	ug/l	97
30) Chloroform	4.67	83	125208	47.927	ug/l	98
31) Cyclohexane	5.00	56	129841	50.761	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	103217	49.485	ug/l	99
36) 1,1-Dichloropropene	5.14	75	95442	48.908	ug/l	99
37) Ethyl Acetate	4.38	43	129560	49.043	ug/l	99
38) Carbon Tetrachloride	5.14	117	88207	47.498	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	113796	53.660	ug/l	99
40) Benzene	5.39	78	285637	48.149	ug/l	100
41) Methacrylonitrile	4.54	41	74494	54.296	ug/l	97
42) 1,2-Dichloroethane	5.40	62	107558	47.988	ug/l	100
43) Isopropyl Acetate	5.55	43	206402	53.574	ug/l	98
44) Trichloroethene	6.19	130	62369	49.384	ug/l	99
45) 1,2-Dichloropropane	6.43	63	85010	50.291	ug/l	97
46) Dibromomethane	6.56	93	49023	48.020	ug/l	99
47) Bromodichloromethane	6.76	83	98720	47.823	ug/l	98
48) Methyl methacrylate	6.62	41	103958	49.585	ug/l	98
49) 1,4-Dioxane	6.61	88	34790	835.122	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	675550	260.713	ug/l	100
52) Toluene	7.64	92	171710	50.496	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112514	50.730	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	120348	49.351	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69363	48.140	ug/l	98
56) Ethyl methacrylate	8.02	69	121139	48.523	ug/l	97
57) 1,3-Dichloropropane	8.24	76	134224	50.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	325482	229.804	ug/l	100
59) 2-Hexanone	8.36	43	513143	252.991	ug/l	100
60) Dibromochloromethane	8.48	129	69820	49.401	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72005	48.030	ug/l	100
64) Tetrachloroethene	8.23	164	53487	49.773	ug/l	97
65) Chlorobenzene	9.12	112	178524	48.279	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	63383	49.765	ug/l	100
67) Ethyl Benzene	9.25	91	328821	54.077	ug/l	99
68) m/p-Xylenes	9.38	106	243300	98.818	ug/l	99
69) o-Xylene	9.78	106	116569	54.107	ug/l	98
70) Styrene	9.79	104	196172	48.811	ug/l	100
71) Bromoform	9.96	173	51038	51.820	ug/l #	100
73) Isopropylbenzene	10.17	105	316559	54.281	ug/l	100
74) N-amyl acetate	10.01	43	184102	54.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	121493	45.310	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103573m	44.469	ug/l	
77) Bromobenzene	10.45	156	71703	50.313	ug/l	98
78) n-propylbenzene	10.59	91	383212	55.534	ug/l	100
79) 2-Chlorotoluene	10.66	91	224966	51.903	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	264264	54.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30038m	41.272	ug/l	
82) 4-Chlorotoluene	10.77	91	260046	53.507	ug/l	99
83) tert-Butylbenzene	11.10	119	250987	52.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	267076	54.514	ug/l	99
85) sec-Butylbenzene	11.32	105	318957	54.899	ug/l	100
86) p-Isopropyltoluene	11.48	119	270872	49.692	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	132881	50.106	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132874	45.971	ug/l	98
89) n-Butylbenzene	11.89	91	254332	48.216	ug/l	99
90) Hexachloroethane	12.15	117	49364	46.723	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	134063	47.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27572	50.405	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	88731	54.658	ug/l	99
94) Hexachlorobutadiene	13.69	225	42351	49.305	ug/l	99
95) Naphthalene	13.74	128	312810	49.307	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	92867	53.344	ug/l	99

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

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