

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025158.D
 Acq On : 02 Jul 2018 21:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:48 PM

Quant Time: Jul 03 05:52:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	163453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	254852	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146100	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	131336	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	4.89	113	107153	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	7.57	98	339945	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	10.31	95	150130	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	85745	41.91	ug/l	99
3) Chloromethane	1.33	50	94242	45.09	ug/l	100
4) Vinyl Chloride	1.40	62	99559	46.19	ug/l	98
5) Bromomethane	1.61	94	52765	50.64	ug/l	99
6) Chloroethane	1.69	64	65962	54.86	ug/l	100
7) Trichlorofluoromethane	1.88	101	161694	49.15	ug/l	98
8) Diethyl Ether	2.10	74	61076	54.73	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	97135	47.60	ug/l	97
10) Methyl Iodide	2.41	142	111949	63.25	ug/l	97
11) Tert butyl alcohol	2.83	59	184993	285.05	ug/l	98
12) 1,1-Dichloroethene	2.28	96	91823	49.34	ug/l	95
13) Acrolein	2.19	56	57498	168.72	ug/l	98
14) Allyl chloride	2.59	41	156664	45.34	ug/l	99
15) Acrylonitrile	2.93	53	347685	275.36	ug/l	99
16) Acetone	2.32	43	348903	243.35	ug/l	99
17) Carbon Disulfide	2.48	76	250409	42.02	ug/l	99
18) Methyl Acetate	2.62	43	219383	71.38	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	371950	53.17	ug/l	96
20) Methylene Chloride	2.70	84	114932	51.09	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	101746	49.64	ug/l	99
22) Diisopropyl ether	3.57	45	358389	52.32	ug/l	97
23) Vinyl Acetate	3.53	43	1514855	246.86	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204757	51.96	ug/l	99
25) 2-Butanone	4.26	43	523827	272.00	ug/l	98
26) 2,2-Dichloropropane	4.23	77	147963	39.54	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	121683	51.63	ug/l	97
28) Bromochloromethane	4.55	49	72330	41.67	ug/l	86
29) Tetrahydrofuran	4.64	42	327879	274.93	ug/l	97
30) Chloroform	4.68	83	212693	53.32	ug/l	99
31) Cyclohexane	5.00	56	176817	50.55	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	195189	52.92	ug/l	97
36) 1,1-Dichloropropene	5.14	75	151853	50.71	ug/l	99
37) Ethyl Acetate	4.38	43	184087	56.40	ug/l	98
38) Carbon Tetrachloride	5.14	117	173666	52.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	179486	48.03	ug/l	96
40) Benzene	5.39	78	440442	51.61	ug/l	99
41) Methacrylonitrile	4.54	41	103847	59.01	ug/l	99
42) 1,2-Dichloroethane	5.41	62	184725	56.84	ug/l	99
43) Isopropyl Acetate	5.55	43	291775	51.71	ug/l	98
44) Trichloroethene	6.19	130	121624	50.08	ug/l	96
45) 1,2-Dichloropropane	6.44	63	120995	53.14	ug/l	100
46) Dibromomethane	6.56	93	87822	54.91	ug/l	95
47) Bromodichloromethane	6.76	83	167763	52.68	ug/l	97
48) Methyl methacrylate	6.63	41	153610	55.91	ug/l	98
49) 1,4-Dioxane	6.62	88	74394	1384.66	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	983888	277.57	ug/l	98
52) Toluene	7.64	92	288857	52.62	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	177299	49.57	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	185958	48.80	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121294	54.35	ug/l	95
56) Ethyl methacrylate	8.02	69	192468	51.53	ug/l	99
57) 1,3-Dichloropropane	8.25	76	204573	54.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	355211	248.23	ug/l	95
59) 2-Hexanone	8.36	43	800147	276.50	ug/l	100
60) Dibromochloromethane	8.48	129	137748	49.50	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133428	53.72	ug/l	98
64) Tetrachloroethene	8.23	164	118594	52.01	ug/l	97
65) Chlorobenzene	9.12	112	326353	53.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	125787	54.03	ug/l	98
67) Ethyl Benzene	9.25	91	569437	53.00	ug/l	98
68) m/p-Xylenes	9.38	106	445714	108.04	ug/l	97
69) o-Xylene	9.78	106	222556	54.51	ug/l	95
70) Styrene	9.80	104	355407	52.97	ug/l	98
71) Bromoform	9.96	173	107963	48.79	ug/l #	100
73) Isopropylbenzene	10.17	105	594753	53.02	ug/l	99
74) N-amyl acetate	10.01	43	268805	50.38	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	207891	55.31	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	176710m	54.94	ug/l	
77) Bromobenzene	10.45	156	153896	54.19	ug/l	94
78) n-propylbenzene	10.59	91	672357	50.88	ug/l	97
79) 2-Chlorotoluene	10.66	91	407630	52.31	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	511338	52.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	65313m	46.99	ug/l	
82) 4-Chlorotoluene	10.78	91	466400	51.43	ug/l	98
83) tert-Butylbenzene	11.10	119	505249	54.03	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	521932	52.68	ug/l	99
85) sec-Butylbenzene	11.33	105	606373	51.80	ug/l	98
86) p-Isopropyltoluene	11.48	119	538367	51.35	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	276878	52.77	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	277636	52.58	ug/l	99
89) n-Butylbenzene	11.89	91	433494	46.57	ug/l	97
90) Hexachloroethane	12.15	117	99056	48.43	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	284863	54.21	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56681	54.65	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	177639	54.74	ug/l	99
94) Hexachlorobutadiene	13.70	225	93001	50.92	ug/l	98
95) Naphthalene	13.74	128	614465	57.10	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	187995	58.14	ug/l	98

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

