

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025281.D
 Acq On : 10 Jul 2018 11:33
 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

apatel
 7/12/2018 11:19:18 AM

Quant Time: Jul 11 07:31:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	147081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	215096	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	202465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	124385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97027	42.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.92%	
35) Dibromofluoromethane	4.89	113	79345	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
50) Toluene-d8	7.57	98	264462	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
62) 4-Bromofluorobenzene	10.31	95	108511	43.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	69372	45.58	ug/l	99
3) Chloromethane	1.33	50	69249	45.71	ug/l	100
4) Vinyl Chloride	1.40	62	75665	45.24	ug/l	99
5) Bromomethane	1.62	94	50969	60.85	ug/l	100
6) Chloroethane	1.70	64	50180	47.19	ug/l	97
7) Trichlorofluoromethane	1.89	101	124702	47.44	ug/l	98
8) Diethyl Ether	2.10	74	47251	47.90	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	79644	48.89	ug/l	99
10) Methyl Iodide	2.41	142	78298	44.03	ug/l	98
11) Tert butyl alcohol	2.83	59	120510	241.75	ug/l	99
12) 1,1-Dichloroethene	2.28	96	69300	46.48	ug/l	97
13) Acrolein	2.19	56	49564	150.29	ug/l	97
14) Allyl chloride	2.59	41	123845	45.80	ug/l	99
15) Acrylonitrile	2.94	53	248317	242.29	ug/l	99
16) Acetone	2.32	43	297279	254.85	ug/l	99
17) Carbon Disulfide	2.48	76	186967	43.19	ug/l	99
18) Methyl Acetate	2.62	43	117495	50.22	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	280965	49.54	ug/l	100
20) Methylene Chloride	2.70	84	83542	47.30	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	77146	45.28	ug/l	98
22) Diisopropyl ether	3.57	45	267203	48.39	ug/l	98
23) Vinyl Acetate	3.53	43	1185001	244.63	ug/l	99
24) 1,1-Dichloroethane	3.45	63	150915	48.46	ug/l	99
25) 2-Butanone	4.26	43	389485	245.91	ug/l	99
26) 2,2-Dichloropropane	4.23	77	146773	49.02	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	91421	46.38	ug/l	98
28) Bromochloromethane	4.55	49	70180	46.67	ug/l	99
29) Tetrahydrofuran	4.64	42	225354	237.21	ug/l	100
30) Chloroform	4.68	83	162303	49.21	ug/l	98
31) Cyclohexane	5.00	56	132886	46.10	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	146539	49.03	ug/l	99
36) 1,1-Dichloropropene	5.14	75	112589	47.08	ug/l	98
37) Ethyl Acetate	4.38	43	133396	50.02	ug/l	98
38) Carbon Tetrachloride	5.14	117	130203	50.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	140790	47.20	ug/l	97
40) Benzene	5.39	78	325828	47.28	ug/l	98
41) Methacrylonitrile	4.54	41	73636	49.80	ug/l	99
42) 1,2-Dichloroethane	5.41	62	134414	49.07	ug/l	100
43) Isopropyl Acetate	5.55	43	211993	49.64	ug/l	100
44) Trichloroethene	6.19	130	92585	46.79	ug/l	99
45) 1,2-Dichloropropane	6.44	63	89090	49.36	ug/l	96
46) Dibromomethane	6.56	93	65095	49.56	ug/l	98
47) Bromodichloromethane	6.76	83	125040	51.24	ug/l	99
48) Methyl methacrylate	6.63	41	106369	49.96	ug/l	99
49) 1,4-Dioxane	6.62	88	55639	1086.08	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	681296	245.45	ug/l	100
52) Toluene	7.64	92	214146	48.84	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	135444	50.52	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	140995	49.41	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	88183	48.29	ug/l	99
56) Ethyl methacrylate	8.02	69	141749	49.70	ug/l	98
57) 1,3-Dichloropropane	8.25	76	151271	49.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	236647	183.79	ug/l	100
59) 2-Hexanone	8.36	43	551769	245.07	ug/l	98
60) Dibromochloromethane	8.48	129	102205	51.83	ug/l	99
61) 1,2-Dibromoethane	8.59	107	96259	49.27	ug/l	99
64) Tetrachloroethene	8.23	164	87273	47.29	ug/l	100
65) Chlorobenzene	9.12	112	244043	48.25	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	92749	51.26	ug/l	99
67) Ethyl Benzene	9.25	91	424230	49.20	ug/l	99
68) m/p-Xylenes	9.38	106	331901	99.56	ug/l	100
69) o-Xylene	9.78	106	161986	48.53	ug/l	96
70) Styrene	9.80	104	264348	49.86	ug/l	99
71) Bromoform	9.96	173	78470	45.33	ug/l #	99
73) Isopropylbenzene	10.17	105	440545	46.36	ug/l	99
74) N-amyl acetate	10.01	43	184361	47.46	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	142636	45.87	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	132747m	51.65	ug/l	
77) Bromobenzene	10.46	156	112298	46.19	ug/l	98
78) n-propylbenzene	10.59	91	504425	47.83	ug/l	99
79) 2-Chlorotoluene	10.66	91	301483	49.79	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	380897	47.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	41469m	41.85	ug/l	
82) 4-Chlorotoluene	10.78	91	347673	46.56	ug/l	100
83) tert-Butylbenzene	11.10	119	377260	46.68	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	387286	47.25	ug/l	98
85) sec-Butylbenzene	11.33	105	459602	48.30	ug/l	100
86) p-Isopropyltoluene	11.48	119	412202	48.93	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	206439	46.46	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	208997	48.21	ug/l	100
89) n-Butylbenzene	11.89	91	338637	48.90	ug/l	100
90) Hexachloroethane	12.15	117	68514	48.03	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	211838	47.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	38903	51.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	142252	47.51	ug/l	99
94) Hexachlorobutadiene	13.70	225	77272	48.15	ug/l	99
95) Naphthalene	13.75	128	457426	50.08	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	151434	49.65	ug/l	99

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

