

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062818\
 Data File : VU025036.D
 Acq On : 28 Jun 2018 21:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:46 PM

Quant Time: Jun 29 07:42:52 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	184365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284251	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165349	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145440	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	4.89	113	117821	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.57	98	388390	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	10.31	95	165644	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	97752	42.36	ug/l	100
3) Chloromethane	1.33	50	106828	45.31	ug/l	100
4) Vinyl Chloride	1.40	62	115248	47.40	ug/l	97
5) Bromomethane	1.61	94	71349	60.70	ug/l	96
6) Chloroethane	1.69	64	73730	54.36	ug/l	99
7) Trichlorofluoromethane	1.88	101	189106	50.96	ug/l	99
8) Diethyl Ether	2.10	74	69464	55.21	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	112434	48.84	ug/l	98
10) Methyl Iodide	2.41	142	129570	64.76	ug/l	97
11) Tert butyl alcohol	2.83	59	181545	248.01	ug/l	99
12) 1,1-Dichloroethene	2.28	96	103955	49.52	ug/l	96
13) Acrolein	2.19	56	40951	106.53	ug/l	98
14) Allyl chloride	2.59	41	182850	46.91	ug/l	100
15) Acrylonitrile	2.93	53	370912	260.43	ug/l	99
16) Acetone	2.32	43	350487	216.73	ug/l	98
17) Carbon Disulfide	2.48	76	295848	44.01	ug/l	99
18) Methyl Acetate	2.62	43	219279	63.25	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	424783	53.83	ug/l	95
20) Methylene Chloride	2.70	84	127415	50.21	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	116353	50.32	ug/l	98
22) Diisopropyl ether	3.57	45	404221	52.31	ug/l	94
23) Vinyl Acetate	3.53	43	1697259	245.21	ug/l	98
24) 1,1-Dichloroethane	3.45	63	230906	51.95	ug/l	99
25) 2-Butanone	4.26	43	542801	249.88	ug/l	95
26) 2,2-Dichloropropane	4.23	77	188316	44.62	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	140181	52.74	ug/l	97
28) Bromochloromethane	4.55	49	87567	44.73	ug/l	84
29) Tetrahydrofuran	4.63	42	341230	253.67	ug/l	96
30) Chloroform	4.68	83	242833	53.97	ug/l	99
31) Cyclohexane	5.00	56	203877	51.72	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	224821	54.04	ug/l	96
36) 1,1-Dichloropropene	5.14	75	171134	51.24	ug/l	96
37) Ethyl Acetate	4.38	43	199446	54.78	ug/l	97
38) Carbon Tetrachloride	5.14	117	196366	53.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	211913	50.84	ug/l	95
40) Benzene	5.39	78	505549	53.12	ug/l	99
41) Methacrylonitrile	4.54	41	111965	57.04	ug/l	98
42) 1,2-Dichloroethane	5.41	62	208781	57.60	ug/l	100
43) Isopropyl Acetate	5.55	43	322299	51.22	ug/l	99
44) Trichloroethene	6.19	130	139604	51.54	ug/l	97
45) 1,2-Dichloropropane	6.44	63	135155	53.22	ug/l	99
46) Dibromomethane	6.56	93	96566	54.14	ug/l	94
47) Bromodichloromethane	6.76	83	186021	52.37	ug/l	99
48) Methyl methacrylate	6.62	41	166484	54.33	ug/l	98
49) 1,4-Dioxane	6.62	88	72308	1206.64	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1041188	263.36	ug/l	98
52) Toluene	7.64	92	325334	53.13	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	202174	50.68	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	211409	49.74	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	133817	53.76	ug/l	99
56) Ethyl methacrylate	8.02	69	212061	50.90	ug/l	98
57) 1,3-Dichloropropane	8.25	76	227890	54.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	62767	39.33	ug/l	96
59) 2-Hexanone	8.36	43	839914	260.22	ug/l	99
60) Dibromochloromethane	8.48	129	156233	50.34	ug/l	99
61) 1,2-Dibromoethane	8.59	107	149148	53.84	ug/l	99
64) Tetrachloroethene	8.23	164	135088	53.07	ug/l	99
65) Chlorobenzene	9.12	112	374714	54.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141875	54.59	ug/l	97
67) Ethyl Benzene	9.25	91	648764	54.10	ug/l	98
68) m/p-Xylenes	9.38	106	506220	109.92	ug/l	98
69) o-Xylene	9.78	106	254149	55.76	ug/l	96
70) Styrene	9.80	104	405771	54.18	ug/l	98
71) Bromoform	9.96	173	124255	50.30	ug/l #	99
73) Isopropylbenzene	10.17	105	680680	53.62	ug/l	98
74) N-amyl acetate	10.01	43	292230	48.40	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	228525	53.72	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	193551m	53.17	ug/l	
77) Bromobenzene	10.45	156	176768	55.00	ug/l	93
78) n-propylbenzene	10.59	91	767278	51.31	ug/l	97
79) 2-Chlorotoluene	10.66	91	467203	52.98	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	589357	53.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	73360m	46.64	ug/l	
82) 4-Chlorotoluene	10.78	91	542261	52.83	ug/l	99
83) tert-Butylbenzene	11.10	119	583229	55.10	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	601225	53.62	ug/l	100
85) sec-Butylbenzene	11.33	105	698812	52.75	ug/l	98
86) p-Isopropyltoluene	11.48	119	621101	52.34	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	320471	53.97	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	319402	53.45	ug/l	99
89) n-Butylbenzene	11.89	91	505498	47.98	ug/l	98
90) Hexachloroethane	12.15	117	109756	47.42	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	331878	55.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	61495	52.39	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	210695	57.37	ug/l	99
94) Hexachlorobutadiene	13.70	225	110654	53.53	ug/l	99
95) Naphthalene	13.74	128	692704	56.88	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	217730	59.50	ug/l	99

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

