

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025304.D
 Acq On : 10 Jul 2018 21:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:06:00 PM

Quant Time: Jul 11 04:29:28 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	187508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	283504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	129258	44.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.74%	
35) Dibromofluoromethane	4.89	113	106576	44.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.12%	
50) Toluene-d8	7.57	98	348435	42.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	10.31	95	143793	43.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86866	44.76	ug/l	98
3) Chloromethane	1.33	50	92491	47.86	ug/l	99
4) Vinyl Chloride	1.40	62	101880	47.78	ug/l	100
5) Bromomethane	1.61	94	60912	56.67	ug/l	98
6) Chloroethane	1.69	64	65863	48.58	ug/l	99
7) Trichlorofluoromethane	1.88	101	155285	46.33	ug/l	97
8) Diethyl Ether	2.10	74	61432	48.85	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	98505	47.43	ug/l	99
10) Methyl Iodide	2.41	142	95077	42.30	ug/l	99
11) Tert butyl alcohol	2.83	59	166420	261.87	ug/l	99
12) 1,1-Dichloroethene	2.28	96	89307	46.99	ug/l	93
13) Acrolein	2.19	56	70411	167.48	ug/l	99
14) Allyl chloride	2.59	41	153638	44.57	ug/l	99
15) Acrylonitrile	2.94	53	346058	264.86	ug/l	100
16) Acetone	2.32	43	322665	217.70	ug/l	99
17) Carbon Disulfide	2.48	76	238138	43.15	ug/l	100
18) Methyl Acetate	2.62	43	166029	55.66	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	372088	51.47	ug/l	100
20) Methylene Chloride	2.70	84	109210	48.48	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	102462	47.17	ug/l	95
22) Diisopropyl ether	3.57	45	353254	50.18	ug/l	95
23) Vinyl Acetate	3.53	43	1571577	254.49	ug/l	100
24) 1,1-Dichloroethane	3.45	63	201638	50.79	ug/l	99
25) 2-Butanone	4.26	43	507874	251.52	ug/l	100
26) 2,2-Dichloropropane	4.23	77	150002	39.30	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	120815	48.07	ug/l	99
28) Bromochloromethane	4.55	49	93458	48.75	ug/l	99
29) Tetrahydrofuran	4.64	42	320036	264.25	ug/l	99
30) Chloroform	4.68	83	209745	49.89	ug/l	98
31) Cyclohexane	5.00	56	169939	46.24	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	190915	50.10	ug/l	99
36) 1,1-Dichloropropene	5.14	75	147422	46.77	ug/l	98
37) Ethyl Acetate	4.38	43	186158	52.96	ug/l	99
38) Carbon Tetrachloride	5.14	117	168962	49.81	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	175033	44.52	ug/l	99
40) Benzene	5.39	78	434659	47.85	ug/l	99
41) Methacrylonitrile	4.54	41	101978	52.33	ug/l	99
42) 1,2-Dichloroethane	5.41	62	178070	49.32	ug/l	100
43) Isopropyl Acetate	5.55	43	289945	51.51	ug/l	100
44) Trichloroethene	6.19	130	123935	47.52	ug/l	100
45) 1,2-Dichloropropane	6.44	63	117485	49.38	ug/l	99
46) Dibromomethane	6.56	93	83817	48.41	ug/l	98
47) Bromodichloromethane	6.76	83	160876	50.02	ug/l	97
48) Methyl methacrylate	6.63	41	145361	51.80	ug/l	98
49) 1,4-Dioxane	6.62	88	67489	999.52	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	958019	261.86	ug/l	100
52) Toluene	7.64	92	282524	48.89	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	171710	48.59	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180109	47.89	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	119668	49.72	ug/l	99
56) Ethyl methacrylate	8.02	69	190180	50.59	ug/l	99
57) 1,3-Dichloropropane	8.25	76	199958	50.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354558	211.26	ug/l	100
59) 2-Hexanone	8.36	43	750659	252.96	ug/l	98
60) Dibromochloromethane	8.48	129	135828	52.26	ug/l	99
61) 1,2-Dibromoethane	8.59	107	131574	51.09	ug/l	99
64) Tetrachloroethene	8.23	164	119558	49.45	ug/l	98
65) Chlorobenzene	9.12	112	327790	49.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	123393	52.06	ug/l	99
67) Ethyl Benzene	9.25	91	559456	49.53	ug/l	99
68) m/p-Xylenes	9.38	106	436930	100.05	ug/l	100
69) o-Xylene	9.78	106	219503	50.21	ug/l	99
70) Styrene	9.80	104	354140	50.99	ug/l	99
71) Bromoform	9.96	173	106687	46.88	ug/l #	100
73) Isopropylbenzene	10.17	105	581888	47.62	ug/l	100
74) N-amyl acetate	10.01	43	260363	52.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	202892	50.75	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	182057m	55.03	ug/l	
77) Bromobenzene	10.45	156	153085	48.97	ug/l	98
78) n-propylbenzene	10.59	91	652045	48.09	ug/l	100
79) 2-Chlorotoluene	10.66	91	398660	51.20	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	498579	48.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58318m	45.77	ug/l	
82) 4-Chlorotoluene	10.78	91	453407	47.22	ug/l	99
83) tert-Butylbenzene	11.10	119	497503	47.88	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	509540	48.35	ug/l	98
85) sec-Butylbenzene	11.33	105	593330	48.50	ug/l	99
86) p-Isopropyltoluene	11.48	119	530294	48.96	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	272463	47.69	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	273887	49.11	ug/l	99
89) n-Butylbenzene	11.89	91	423733	47.59	ug/l	100
90) Hexachloroethane	12.15	117	86888	47.37	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	281053	48.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50724	52.32	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	176006	45.85	ug/l	98
94) Hexachlorobutadiene	13.70	225	93082	45.11	ug/l	100
95) Naphthalene	13.75	128	608045	51.70	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	186506	47.67	ug/l	98

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

