

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025682.D
 Acq On : 27 Jul 2018 20:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:42 PM

Quant Time: Jul 28 05:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166753	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	137509	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.84%		
35) Dibromofluoromethane	4.89	113	113813	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.54%		
50) Toluene-d8	7.57	98	403451	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.82%		
62) 4-Bromofluorobenzene	10.31	95	156306	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136052	51.42	ug/l	100
3) Chloromethane	1.33	50	120075	47.48	ug/l	100
4) Vinyl Chloride	1.40	62	114368	48.06	ug/l	100
5) Bromomethane	1.62	94	57396	49.38	ug/l	98
6) Chloroethane	1.69	64	66790	48.00	ug/l	100
7) Trichlorofluoromethane	1.88	101	164791	47.89	ug/l	99
8) Diethyl Ether	2.10	74	58276	46.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	94625	47.52	ug/l	99
10) Methyl Iodide	2.41	142	87294	47.52	ug/l	99
11) Tert butyl alcohol	2.83	59	154146	258.13	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90386	48.09	ug/l	96
13) Acrolein	2.19	56	46471	214.59	ug/l	97
14) Allyl chloride	2.59	41	156106	46.22	ug/l	97
15) Acrylonitrile	2.94	53	312573	262.17	ug/l	98
16) Acetone	2.32	43	286386	215.36	ug/l	97
17) Carbon Disulfide	2.47	76	284610	46.79	ug/l	99
18) Methyl Acetate	2.62	43	173078	54.08	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	337393	49.53	ug/l	100
20) Methylene Chloride	2.70	84	108335	45.97	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	103478	47.63	ug/l	99
22) Diisopropyl ether	3.58	45	329182	49.46	ug/l	92
23) Vinyl Acetate	3.53	43	1435935	247.55	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192025	48.06	ug/l	99
25) 2-Butanone	4.27	43	448960	248.02	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148506	40.89	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	117221	47.85	ug/l	97
28) Bromochloromethane	4.55	49	86643	48.50	ug/l	97
29) Tetrahydrofuran	4.64	42	280227	258.39	ug/l	100
30) Chloroform	4.68	83	202604	48.04	ug/l	99
31) Cyclohexane	5.00	56	167669	48.19	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	183578	48.35	ug/l	99
36) 1,1-Dichloropropene	5.14	75	148595	47.88	ug/l	98
37) Ethyl Acetate	4.38	43	161517	50.19	ug/l	98
38) Carbon Tetrachloride	5.14	117	169106	48.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	168262	47.31	ug/l	98
40) Benzene	5.39	78	430731	47.48	ug/l	98
41) Methacrylonitrile	4.54	41	90605	50.69	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165897	47.49	ug/l	100
43) Isopropyl Acetate	5.55	43	262331	49.33	ug/l	100
44) Trichloroethene	6.19	130	122349	48.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	114513	48.40	ug/l	100
46) Dibromomethane	6.56	93	81337	47.44	ug/l	99
47) Bromodichloromethane	6.76	83	156245	47.78	ug/l	98
48) Methyl methacrylate	6.63	41	133910	51.38	ug/l	98
49) 1,4-Dioxane	6.62	88	65453	1031.92	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	847399	254.51	ug/l	99
52) Toluene	7.64	92	277835	49.29	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	178808	48.70	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	183155	48.56	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	112261	47.93	ug/l	98
56) Ethyl methacrylate	8.02	69	170440	50.93	ug/l	97
57) 1,3-Dichloropropane	8.25	76	189941	48.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	358157	236.72	ug/l	100
59) 2-Hexanone	8.36	43	673986	258.24	ug/l	99
60) Dibromochloromethane	8.48	129	133142	48.20	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126674	48.63	ug/l	100
64) Tetrachloroethene	8.23	164	109707	48.10	ug/l	98
65) Chlorobenzene	9.12	112	318699	47.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	118764	49.14	ug/l	99
67) Ethyl Benzene	9.25	91	535042	48.35	ug/l	100
68) m/p-Xylenes	9.38	106	422193	99.38	ug/l	99
69) o-Xylene	9.78	106	204017	49.14	ug/l	98
70) Styrene	9.80	104	335006	49.95	ug/l	99
71) Bromoform	9.96	173	103286	49.29	ug/l #	100
73) Isopropylbenzene	10.17	105	552811	48.57	ug/l	99
74) N-amyl acetate	10.01	43	233986	50.36	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	187767	47.71	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	158846m	43.23	ug/l	
77) Bromobenzene	10.45	156	149323	47.57	ug/l	99
78) n-propylbenzene	10.59	91	648956	48.85	ug/l	99
79) 2-Chlorotoluene	10.66	91	378132	48.60	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	476734	49.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	134868m	92.04	ug/l	
82) 4-Chlorotoluene	10.78	91	449889	49.05	ug/l	98
83) tert-Butylbenzene	11.10	119	462108	48.12	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	485608	49.58	ug/l	98
85) sec-Butylbenzene	11.33	105	572007	48.78	ug/l	100
86) p-Isopropyltoluene	11.48	119	516784	49.22	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	278014	47.71	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	282506	46.51	ug/l	98
89) n-Butylbenzene	11.89	91	473074	48.83	ug/l	99
90) Hexachloroethane	12.15	117	89072	47.72	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	274770	48.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47755	51.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	194412	50.43	ug/l	98
94) Hexachlorobutadiene	13.70	225	95672	47.08	ug/l	97
95) Naphthalene	13.74	128	601631	48.62	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	198643	51.66	ug/l	99

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

