

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070718\
 Data File : VU025239.D
 Acq On : 06 Jul 2018 14:19
 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

MMDadoda
 7/9/2018 12:57:57 PM

Quant Time: Jul 06 18:21:18 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	165631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	230373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142789	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	116191	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	
35) Dibromofluoromethane	4.89	113	92832	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
50) Toluene-d8	7.57	98	314977	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	
62) 4-Bromofluorobenzene	10.31	95	127169	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84506	40.762	ug/l	97
3) Chloromethane	1.33	50	86296	40.743	ug/l	100
4) Vinyl Chloride	1.40	62	92476	42.336	ug/l	99
5) Bromomethane	1.61	94	60459	57.256	ug/l	100
6) Chloroethane	1.69	64	62028	50.836	ug/l	99
7) Trichlorofluoromethane	1.88	101	151450	45.433	ug/l	99
8) Diethyl Ether	2.10	74	57724	50.918	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	93853	45.382	ug/l	98
10) Methyl Iodide	2.41	142	95170	53.914	ug/l	96
11) Tert butyl alcohol	2.82	59	152470	231.849	ug/l	99
12) 1,1-Dichloroethene	2.28	96	83428	44.236	ug/l	95
13) Acrolein	2.19	56	86453	250.344	ug/l	99
14) Allyl chloride	2.59	41	145711	41.611	ug/l	99
15) Acrylonitrile	2.93	53	301192	235.400	ug/l	99
16) Acetone	2.32	43	351862	242.190	ug/l	97
17) Carbon Disulfide	2.48	76	221432	36.668	ug/l	100
18) Methyl Acetate	2.61	43	143414	46.046	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	333331	47.019	ug/l	96
20) Methylene Chloride	2.70	84	111231	48.794	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	93761	45.139	ug/l	94
22) Diisopropyl ether	3.57	45	323243	46.566	ug/l	95
23) Vinyl Acetate	3.53	43	1440437	231.647	ug/l	99
24) 1,1-Dichloroethane	3.45	63	184780	46.272	ug/l	99
25) 2-Butanone	4.26	43	476402	244.123	ug/l	97
26) 2,2-Dichloropropane	4.23	77	170445	44.950	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	110678	46.346	ug/l	99
28) Bromochloromethane	4.55	49	86622	49.247	ug/l	85
29) Tetrahydrofuran	4.64	42	281463	232.904	ug/l	98
30) Chloroform	4.68	83	195752	48.431	ug/l	99
31) Cyclohexane	5.00	56	162457	45.639	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	179513	48.028	ug/l	95
36) 1,1-Dichloropropene	5.14	75	139513	48.741	ug/l	98
37) Ethyl Acetate	4.38	43	163741	52.486	ug/l	98
38) Carbon Tetrachloride	5.14	117	157082	49.906	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	170707	47.791	ug/l	95
40) Benzene	5.39	78	404639	49.612	ug/l	99
41) Methacrylonitrile	4.54	41	92184	54.805	ug/l	99
42) 1,2-Dichloroethane	5.41	62	164422	52.931	ug/l	99
43) Isopropyl Acetate	5.55	43	258823	47.996	ug/l	99
44) Trichloroethene	6.19	130	112342	48.398	ug/l	98
45) 1,2-Dichloropropane	6.44	63	107253	49.284	ug/l	99
46) Dibromomethane	6.56	93	77333	50.591	ug/l	93
47) Bromodichloromethane	6.76	83	149077	48.976	ug/l	99
48) Methyl methacrylate	6.62	41	131789	50.189	ug/l	98
49) 1,4-Dioxane	6.62	88	63363	1233.896	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	847561	250.174	ug/l	98
52) Toluene	7.64	92	259439	49.442	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	164703	48.183	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	172494	47.357	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	104946	49.202	ug/l	98
56) Ethyl methacrylate	8.02	69	173331	48.552	ug/l	99
57) 1,3-Dichloropropane	8.25	76	183075	50.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	281415	205.758	ug/l	95
59) 2-Hexanone	8.36	43	699539	252.917	ug/l	99
60) Dibromochloromethane	8.48	129	123516	46.438	ug/l	99
61) 1,2-Dibromoethane	8.59	107	119467	50.322	ug/l	99
64) Tetrachloroethene	8.23	164	109582	50.042	ug/l	98
65) Chlorobenzene	9.12	112	301103	51.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	112809	50.453	ug/l	98
67) Ethyl Benzene	9.25	91	518365	50.243	ug/l	99
68) m/p-Xylenes	9.38	106	402831	101.679	ug/l	98
69) o-Xylene	9.78	106	200277	51.080	ug/l	97
70) Styrene	9.80	104	326005	50.596	ug/l	99
71) Bromoform	9.96	173	96394	45.357	ug/l #	100
73) Isopropylbenzene	10.17	105	542535	49.489	ug/l	98
74) N-amyl acetate	10.01	43	233822	44.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	181636	49.443	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	166640m	53.008	ug/l	
77) Bromobenzene	10.45	156	137985	49.718	ug/l	95
78) n-propylbenzene	10.59	91	623342	48.269	ug/l	97
79) 2-Chlorotoluene	10.66	91	378048	49.641	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	469469	49.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	72640m	53.478	ug/l	
82) 4-Chlorotoluene	10.78	91	431192	48.646	ug/l	99
83) tert-Butylbenzene	11.10	119	470476	51.474	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	478445	49.409	ug/l	100
85) sec-Butylbenzene	11.33	105	562583	49.172	ug/l	98
86) p-Isopropyltoluene	11.48	119	500720	48.866	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	257379	50.196	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	258721	50.131	ug/l	98
89) n-Butylbenzene	11.89	91	409350	44.997	ug/l	97
90) Hexachloroethane	12.15	117	83156	41.601	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	263762	51.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48243	47.593	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	165887	52.306	ug/l	100
94) Hexachlorobutadiene	13.70	225	89296	50.023	ug/l	98
95) Naphthalene	13.75	128	526582	50.152	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	173171	54.797	ug/l	99

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

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