

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025272.D
 Acq On : 09 Jul 2018 14:03
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:16 PM

Quant Time: Jul 10 01:40:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	156565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	230029	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	211518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	114183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	13274	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
35) Dibromofluoromethane	4.89	113	9838	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	7.57	98	34465	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	10.31	95	12520	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	8433	5.20	ug/l	98
3) Chloromethane	1.33	50	8744	4.77	ug/l	100
4) Vinyl Chloride	1.40	62	8419	4.73	ug/l	97
5) Bromomethane	1.62	94	7391	5.68	ug/l	95
6) Chloroethane	1.70	64	7012	5.65	ug/l	96
7) Trichlorofluoromethane	1.89	101	14089	5.03	ug/l	100
8) Diethyl Ether	2.10	74	5190	4.94	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	8518	4.91	ug/l	98
10) Methyl Iodide	2.41	142	5796	3.46	ug/l	97
11) Tert butyl alcohol	2.83	59	14307	24.00	ug/l	98
12) 1,1-Dichloroethene	2.28	96	7777	4.90	ug/l	92
13) Acrolein	2.20	56	9286	25.08	ug/l	95
14) Allyl chloride	2.60	41	15336	5.33	ug/l	94
15) Acrylonitrile	2.94	53	27055	24.80	ug/l	98
16) Acetone	2.32	43	32575	24.80	ug/l	98
17) Carbon Disulfide	2.48	76	23153	4.71	ug/l	98
18) Methyl Acetate	2.62	43	11699	4.70	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	29415	4.87	ug/l	96
20) Methylene Chloride	2.70	84	10552	4.89	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	8948	4.93	ug/l	97
22) Diisopropyl ether	3.57	45	29132	4.96	ug/l	95
23) Vinyl Acetate	3.53	43	124425	24.13	ug/l	100
24) 1,1-Dichloroethane	3.45	63	16552	4.99	ug/l	99
25) 2-Butanone	4.27	43	40894	24.26	ug/l	98
26) 2,2-Dichloropropane	4.23	77	15802	4.96	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	10238	4.88	ug/l	100
28) Bromochloromethane	4.55	49	8241	5.15	ug/l #	95
29) Tetrahydrofuran	4.64	42	25244	24.96	ug/l	97
30) Chloroform	4.68	83	17306	4.93	ug/l	94
31) Cyclohexane	5.00	56	17637	4.79	ug/l #	88
32) 1,1,1-Trichloroethane	4.92	97	14573	4.58	ug/l	97
36) 1,1-Dichloropropene	5.14	75	12923	5.05	ug/l	97
37) Ethyl Acetate	4.39	43	13736	4.82	ug/l	99
38) Carbon Tetrachloride	5.14	117	12914	4.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	15471	4.85	ug/l	100
40) Benzene	5.39	78	37275	5.06	ug/l	99
41) Methacrylonitrile	4.55	41	7940	5.02	ug/l #	91
42) 1,2-Dichloroethane	5.41	62	14523	4.96	ug/l	97
43) Isopropyl Acetate	5.55	43	22463	4.92	ug/l	97
44) Trichloroethene	6.19	130	9975	4.71	ug/l	97
45) 1,2-Dichloropropane	6.44	63	9350	4.84	ug/l	92
46) Dibromomethane	6.56	93	6496	4.62	ug/l	96
47) Bromodichloromethane	6.76	83	12123	4.65	ug/l	99
48) Methyl methacrylate	6.63	41	11217	4.93	ug/l	97
49) 1,4-Dioxane	6.62	88	5683	103.73	ug/l	90
51) 4-Methyl-2-Pentanone	7.46	43	71237	24.00	ug/l	100
52) Toluene	7.64	92	22633	4.83	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	13263	4.63	ug/l	93
54) cis-1,3-Dichloropropene	7.27	75	14406	4.72	ug/l	96
55) 1,1,2-Trichloroethane	8.08	97	9125	4.67	ug/l	97
56) Ethyl methacrylate	8.02	69	14447	4.74	ug/l	98
57) 1,3-Dichloropropane	8.25	76	15985	4.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	21847	20.30	ug/l	97
59) 2-Hexanone	8.36	43	55758	23.16	ug/l	99
60) Dibromochloromethane	8.48	129	9379	4.45	ug/l	97
61) 1,2-Dibromoethane	8.59	107	9928	4.75	ug/l	99
64) Tetrachloroethene	8.23	164	10036	5.21	ug/l	94
65) Chlorobenzene	9.12	112	26811	5.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	8959	4.74	ug/l	97
67) Ethyl Benzene	9.26	91	43949	4.88	ug/l	99
68) m/p-Xylenes	9.38	106	34204	9.82	ug/l	98
69) o-Xylene	9.78	106	16686	4.79	ug/l	97
70) Styrene	9.80	104	25932	4.68	ug/l	97
71) Bromoform	9.96	173	6795	4.16	ug/l #	94
73) Isopropylbenzene	10.17	105	45922	5.26	ug/l	98
74) N-amyl acetate	10.02	43	19050	5.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	14506	5.08	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	12940m	5.02	ug/l	
77) Bromobenzene	10.46	156	11430	5.12	ug/l	98
78) n-propylbenzene	10.59	91	49850	5.15	ug/l	99
79) 2-Chlorotoluene	10.66	91	31516	5.20	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	37171	5.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	4493m	4.79	ug/l	
82) 4-Chlorotoluene	10.78	91	34859	5.09	ug/l	100
83) tert-Butylbenzene	11.10	119	37247	5.02	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	37098	4.93	ug/l	98
85) sec-Butylbenzene	11.33	105	44905	5.14	ug/l	99
86) p-Isopropyltoluene	11.48	119	37589	4.86	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	20797	5.10	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	21152	5.05	ug/l	93
89) n-Butylbenzene	11.89	91	29331	4.61	ug/l	97
90) Hexachloroethane	12.15	117	6059	4.63	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	21130	5.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3268	4.72	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	10984	4.07	ug/l	97
94) Hexachlorobutadiene	13.70	225	7417	5.03	ug/l	99
95) Naphthalene	13.75	128	33198	3.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	11950	4.11	ug/l	99

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

