

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025659.D
 Acq On : 27 Jul 2018 10:18
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:47:52 PM

Quant Time: Jul 27 12:56:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249568	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150668	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	13567	5.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.30%	
35) Dibromofluoromethane	4.89	113	11280	5.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.72%	
50) Toluene-d8	7.57	98	36298	5.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.06%	
62) 4-Bromofluorobenzene	10.31	95	13799	4.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	10986	6.27	ug/l	97
3) Chloromethane	1.33	50	12146	6.12	ug/l	96
4) Vinyl Chloride	1.40	62	11378	5.91	ug/l	98
5) Bromomethane	1.62	94	6287	4.47	ug/l	97
6) Chloroethane	1.69	64	6979	5.20	ug/l	99
7) Trichlorofluoromethane	1.88	101	17461	5.77	ug/l	97
8) Diethyl Ether	2.10	74	6254	5.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	10553	5.62	ug/l	96
10) Methyl Iodide	2.41	142	3414	1.86	ug/l	92
11) Tert butyl alcohol	2.83	59	15292	26.63	ug/l	97
12) 1,1-Dichloroethene	2.28	96	9115	5.31	ug/l	96
13) Acrolein	2.19	56	8315	21.89	ug/l	98
14) Allyl chloride	2.59	41	16218	5.21	ug/l	96
15) Acrylonitrile	2.94	53	27483	23.28	ug/l	92
16) Acetone	2.32	43	33229	23.38	ug/l	95
17) Carbon Disulfide	2.48	76	29497	5.55	ug/l	99
18) Methyl Acetate	2.62	43	13468	5.00	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	33493	5.13	ug/l	98
20) Methylene Chloride	2.70	84	11853	5.08	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	11165	5.69	ug/l	92
22) Diisopropyl ether	3.57	45	33637	5.29	ug/l	97
23) Vinyl Acetate	3.53	43	144996	25.99	ug/l	100
24) 1,1-Dichloroethane	3.45	63	20320	5.67	ug/l	98
25) 2-Butanone	4.27	43	45083	24.71	ug/l	100
26) 2,2-Dichloropropane	4.23	77	18043	5.23	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	12439	5.48	ug/l	97
28) Bromochloromethane	4.55	49	8984	5.19	ug/l	97
29) Tetrahydrofuran	4.64	42	25961	23.73	ug/l	97
30) Chloroform	4.67	83	21065	5.55	ug/l	100
31) Cyclohexane	5.00	56	20387	5.12	ug/l	# 87
32) 1,1,1-Trichloroethane	4.92	97	18642	5.42	ug/l	98
36) 1,1-Dichloropropene	5.14	75	15204	5.48	ug/l	99
37) Ethyl Acetate	4.38	43	16572	5.36	ug/l	97
38) Carbon Tetrachloride	5.14	117	17032	5.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	17295	5.00	ug/l	99
40) Benzene	5.39	78	44197	5.53	ug/l	96
41) Methacrylonitrile	4.55	41	8558	4.99	ug/l	99
42) 1,2-Dichloroethane	5.41	62	17727	5.58	ug/l	92
43) Isopropyl Acetate	5.55	43	25136	5.07	ug/l	99
44) Trichloroethene	6.19	130	12029	5.24	ug/l	86
45) 1,2-Dichloropropane	6.44	63	11351	5.42	ug/l	97
46) Dibromomethane	6.56	93	8650	5.68	ug/l #	78
47) Bromodichloromethane	6.76	83	16491	5.82	ug/l	95
48) Methyl methacrylate	6.63	41	12227	4.95	ug/l	97
49) 1,4-Dioxane	6.62	88	6019	101.26	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	77226	23.98	ug/l	98
52) Toluene	7.64	92	26996	5.31	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	17011	5.47	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	17952	5.42	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	11873	5.60	ug/l	92
56) Ethyl methacrylate	8.02	69	15465	4.67	ug/l	97
57) 1,3-Dichloropropane	8.25	76	19145	5.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	31608	27.07	ug/l	99
59) 2-Hexanone	8.36	43	60490	23.16	ug/l	96
60) Dibromochloromethane	8.48	129	13006	5.68	ug/l	94
61) 1,2-Dibromoethane	8.59	107	12433	5.48	ug/l	98
64) Tetrachloroethene	8.23	164	11220	5.01	ug/l	93
65) Chlorobenzene	9.12	112	32756	5.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	11662	5.31	ug/l	95
67) Ethyl Benzene	9.25	91	52329	5.00	ug/l	99
68) m/p-Xylenes	9.38	106	40177	9.92	ug/l	100
69) o-Xylene	9.78	106	19515	4.81	ug/l	99
70) Styrene	9.80	104	30618	4.76	ug/l	99
71) Bromoform	9.96	173	9186	4.83	ug/l #	97
73) Isopropylbenzene	10.17	105	52572	4.57	ug/l	99
74) N-amyl acetate	10.01	43	19850	3.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	18532	4.92	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	16771m	4.89	ug/l	
77) Bromobenzene	10.45	156	14995	5.09	ug/l	96
78) n-propylbenzene	10.59	91	60292	4.72	ug/l	99
79) 2-Chlorotoluene	10.66	91	35076	4.39	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	43484	4.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	6273m	5.23	ug/l	
82) 4-Chlorotoluene	10.78	91	42995	4.75	ug/l	100
83) tert-Butylbenzene	11.10	119	43519	4.45	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	44585	4.49	ug/l	97
85) sec-Butylbenzene	11.33	105	53160	4.61	ug/l	99
86) p-Isopropyltoluene	11.48	119	48010	4.70	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	27300	5.07	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	28634	5.18	ug/l	96
89) n-Butylbenzene	11.90	91	44649	5.32	ug/l	96
90) Hexachloroethane	12.15	117	9025	5.22	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	26969	4.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3958	4.33	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	16758	4.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	9713	5.00	ug/l	98
95) Naphthalene	13.75	128	42603	3.48	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	16499	4.30	ug/l	100

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

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