

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027584.D
 Acq On : 11 Oct 2018 09:08
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:31:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 09:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	115872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	195372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86328	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	35901	18.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.10%	
35) Dibromofluoromethane	4.89	113	25878	19.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.66%	
50) Toluene-d8	7.57	98	99676	19.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.78%	
62) 4-Bromofluorobenzene	10.31	95	34397	18.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	24995	14.96	ug/l	98
3) Chloromethane	1.33	50	38604	17.07	ug/l	99
4) Vinyl Chloride	1.40	62	37746	17.75	ug/l	99
5) Bromomethane	1.62	94	19370	21.06	ug/l	99
6) Chloroethane	1.70	64	22086	17.29	ug/l	98
7) Trichlorofluoromethane	1.89	101	41692	19.33	ug/l	100
8) Diethyl Ether	2.11	74	19879	20.01	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25552	20.40	ug/l	98
10) Methyl Iodide	2.41	142	22873	25.08	ug/l	98
11) Tert butyl alcohol	2.83	59	43366	106.43	ug/l	98
12) 1,1-Dichloroethene	2.28	96	24456	19.98	ug/l	98
13) Acrolein	2.20	56	34255	100.19	ug/l	99
14) Allyl chloride	2.59	41	54129	18.62	ug/l	98
15) Acrylonitrile	2.94	53	108955	102.74	ug/l	99
16) Acetone	2.32	43	107626	94.16	ug/l	98
17) Carbon Disulfide	2.48	76	81878	18.55	ug/l	100
18) Methyl Acetate	2.62	43	56737	21.76	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	93819	19.13	ug/l	98
20) Methylene Chloride	2.70	84	30551	19.19	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	26570	19.34	ug/l	94
22) Diisopropyl ether	3.58	45	116332	19.69	ug/l	96
23) Vinyl Acetate	3.53	43	489696	94.92	ug/l	100
24) 1,1-Dichloroethane	3.45	63	59927	19.73	ug/l	99
25) 2-Butanone	4.27	43	159705	102.46	ug/l	98
26) 2,2-Dichloropropane	4.23	77	47265	18.94	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29765	18.94	ug/l	99
28) Bromochloromethane	4.55	49	27578	18.82	ug/l	100
29) Tetrahydrofuran	4.64	42	103651	105.52	ug/l	100
30) Chloroform	4.68	83	53351	19.77	ug/l	97
31) Cyclohexane	5.00	56	57632	16.23	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	45838	20.17	ug/l	96
36) 1,1-Dichloropropene	5.14	75	40416	19.05	ug/l	99
37) Ethyl Acetate	4.39	43	57749	21.06	ug/l	100
38) Carbon Tetrachloride	5.14	117	38456	20.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44360	17.89	ug/l	95
40) Benzene	5.39	78	122274	19.79	ug/l	100
41) Methacrylonitrile	4.55	41	30885	19.93	ug/l	97
42) 1,2-Dichloroethane	5.41	62	46645	20.34	ug/l	100
43) Isopropyl Acetate	5.55	43	87376	20.52	ug/l	99
44) Trichloroethene	6.19	130	26665	19.35	ug/l	94
45) 1,2-Dichloropropane	6.44	63	35206	19.75	ug/l	98
46) Dibromomethane	6.56	93	20892	20.76	ug/l	99
47) Bromodichloromethane	6.76	83	41289	19.77	ug/l	98
48) Methyl methacrylate	6.63	41	42798	20.21	ug/l	100
49) 1,4-Dioxane	6.61	88	16616	456.08	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	291201	105.25	ug/l	100
52) Toluene	7.64	92	72320	19.77	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	46869	19.14	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	52118	19.80	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29820	20.56	ug/l	97
56) Ethyl methacrylate	8.02	69	46483	19.32	ug/l	99
57) 1,3-Dichloropropane	8.24	76	55742	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	137567	102.33	ug/l	99
59) 2-Hexanone	8.36	43	225693	105.15	ug/l	100
60) Dibromochloromethane	8.48	129	29278	20.13	ug/l	100
61) 1,2-Dibromoethane	8.59	107	30890	20.04	ug/l	98
64) Tetrachloroethene	8.23	164	23331	20.99	ug/l	97
65) Chlorobenzene	9.12	112	74379	19.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26242	20.23	ug/l	99
67) Ethyl Benzene	9.25	91	130556	19.61	ug/l	98
68) m/p-Xylenes	9.38	106	97846	40.17	ug/l	99
69) o-Xylene	9.78	106	46642	20.15	ug/l	99
70) Styrene	9.79	104	77669	20.44	ug/l	99
71) Bromoform	9.96	173	21086	20.20	ug/l #	99
73) Isopropylbenzene	10.17	105	126271	20.14	ug/l	100
74) N-amyl acetate	10.02	43	72044	20.07	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	50324	20.44	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	47043m	21.02	ug/l	
77) Bromobenzene	10.45	156	29268	20.09	ug/l	98
78) n-propylbenzene	10.59	91	151566	20.12	ug/l	99
79) 2-Chlorotoluene	10.66	91	91507	20.12	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	105106	20.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	17218m	20.14	ug/l	
82) 4-Chlorotoluene	10.77	91	101857	19.73	ug/l	98
83) tert-Butylbenzene	11.10	119	99513	20.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	107786	20.67	ug/l	99
85) sec-Butylbenzene	11.32	105	123508	19.86	ug/l	100
86) p-Isopropyltoluene	11.48	119	106764	20.05	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	54395	19.71	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	54900	19.47	ug/l	98
89) n-Butylbenzene	11.89	91	94305	18.99	ug/l	100
90) Hexachloroethane	12.15	117	19836	19.77	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	54379	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11547	21.16	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	33891	19.50	ug/l	99
94) Hexachlorobutadiene	13.69	225	17749	20.21	ug/l	98
95) Naphthalene	13.75	128	119262	20.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36348	20.08	ug/l	98

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

