

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027588.D
 Acq On : 11 Oct 2018 10:57
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:55 PM

Quant Time: Oct 12 09:43:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	124252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	207512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89641	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	4.88	113	65277	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	7.57	98	251387	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	10.31	95	92041	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	62936	46.57	ug/l	98
3) Chloromethane	1.33	50	99464	46.98	ug/l	100
4) Vinyl Chloride	1.40	62	95854	48.17	ug/l	100
5) Bromomethane	1.61	94	50477	46.73	ug/l	99
6) Chloroethane	1.69	64	59281	46.84	ug/l	97
7) Trichlorofluoromethane	1.88	101	102509	46.11	ug/l	99
8) Diethyl Ether	2.10	74	48107	47.97	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62295	47.92	ug/l	98
10) Methyl Iodide	2.41	142	61889	41.43	ug/l	99
11) Tert butyl alcohol	2.83	59	110654	236.04	ug/l	99
12) 1,1-Dichloroethene	2.28	96	59821	46.91	ug/l	98
13) Acrolein	2.19	56	89578	240.86	ug/l	99
14) Allyl chloride	2.59	41	139161	44.99	ug/l	98
15) Acrylonitrile	2.94	53	269748	242.05	ug/l	99
16) Acetone	2.32	43	246078	209.87	ug/l	99
17) Carbon Disulfide	2.48	76	203789	46.62	ug/l	99
18) Methyl Acetate	2.62	43	131619	44.89	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	242885	49.49	ug/l	100
20) Methylene Chloride	2.70	84	73800	44.47	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	69004	48.96	ug/l	97
22) Diisopropyl ether	3.57	45	289907	48.93	ug/l	99
23) Vinyl Acetate	3.52	43	1269069	253.23	ug/l	99
24) 1,1-Dichloroethane	3.45	63	151062	48.16	ug/l	100
25) 2-Butanone	4.26	43	399778	240.60	ug/l	100
26) 2,2-Dichloropropane	4.22	77	119134	47.39	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	78392	50.16	ug/l	99
28) Bromochloromethane	4.55	49	72546	46.87	ug/l	97
29) Tetrahydrofuran	4.64	42	251647	241.50	ug/l	99
30) Chloroform	4.67	83	133969	48.04	ug/l	99
31) Cyclohexane	5.00	56	144516	48.45	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	113047	48.05	ug/l	99
36) 1,1-Dichloropropene	5.13	75	108327	51.39	ug/l	99
37) Ethyl Acetate	4.38	43	143546	47.47	ug/l	100
38) Carbon Tetrachloride	5.13	117	95416	49.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	124257	52.25	ug/l	98
40) Benzene	5.39	78	315100	49.43	ug/l	100
41) Methacrylonitrile	4.54	41	78177	46.57	ug/l	98
42) 1,2-Dichloroethane	5.40	62	114400	48.55	ug/l	99
43) Isopropyl Acetate	5.55	43	218068	49.82	ug/l	99
44) Trichloroethene	6.19	130	70550	50.15	ug/l	98
45) 1,2-Dichloropropane	6.43	63	89099	49.12	ug/l	98
46) Dibromomethane	6.56	93	52818	49.47	ug/l	98
47) Bromodichloromethane	6.76	83	104773	48.78	ug/l	99
48) Methyl methacrylate	6.62	41	110633	46.23	ug/l	100
49) 1,4-Dioxane	6.61	88	46470	1109.67	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	721310	245.14	ug/l	99
52) Toluene	7.64	92	187190	51.33	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	126067	51.55	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	136591	51.33	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	72622	48.26	ug/l	98
56) Ethyl methacrylate	8.02	69	127795	46.20	ug/l	99
57) 1,3-Dichloropropane	8.24	76	141012	49.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	368268	238.76	ug/l	98
59) 2-Hexanone	8.36	43	569213	247.98	ug/l	99
60) Dibromochloromethane	8.48	129	76212	50.68	ug/l	98
61) 1,2-Dibromoethane	8.59	107	77620	48.99	ug/l	97
64) Tetrachloroethene	8.23	164	59294	50.11	ug/l	98
65) Chlorobenzene	9.12	112	195212	49.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	67908	50.27	ug/l	99
67) Ethyl Benzene	9.25	91	354178	52.26	ug/l	100
68) m/p-Xylenes	9.38	106	265402	107.25	ug/l	98
69) o-Xylene	9.78	106	128096	53.25	ug/l	98
70) Styrene	9.79	104	213355	48.14	ug/l	100
71) Bromoform	9.96	173	56475	50.29	ug/l #	99
73) Isopropylbenzene	10.17	105	346412	53.14	ug/l	99
74) N-amyl acetate	10.02	43	199691	51.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	129423	46.16	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	118473m	49.04	ug/l	
77) Bromobenzene	10.45	156	79599	49.85	ug/l	97
78) n-propylbenzene	10.59	91	420229	53.11	ug/l	100
79) 2-Chlorotoluene	10.66	91	244206	50.31	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	288125	49.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	57769m	53.15	ug/l	
82) 4-Chlorotoluene	10.77	91	287336	52.98	ug/l	99
83) tert-Butylbenzene	11.10	119	275587	51.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	295070	49.61	ug/l	98
85) sec-Butylbenzene	11.33	105	350446	49.87	ug/l	100
86) p-Isopropyltoluene	11.48	119	303435	49.68	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	152087	51.29	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	152570	48.61	ug/l	100
89) n-Butylbenzene	11.89	91	289411	49.66	ug/l	99
90) Hexachloroethane	12.15	117	53539	49.68	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	147218	49.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30030	48.99	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103942	50.16	ug/l	99
94) Hexachlorobutadiene	13.69	225	51662	53.85	ug/l	99
95) Naphthalene	13.75	128	353947	49.35	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	107233	54.47	ug/l	99

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

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