

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027599.D
 Acq On : 11 Oct 2018 15:20
 Operator : MD/SY
 Sample : VU1011WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1011WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:47 PM

Quant Time: Oct 12 09:45:40 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	4.99	168	114966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	199367	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87394	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	90016	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	4.89	113	64525	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	7.57	98	246188	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	10.31	95	85234	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	23161	18.52	ug/l	97
3) Chloromethane	1.33	50	37474	19.13	ug/l	99
4) Vinyl Chloride	1.40	62	36576	19.87	ug/l	99
5) Bromomethane	1.62	94	19718	19.73	ug/l	98
6) Chloroethane	1.70	64	21874	18.68	ug/l	98
7) Trichlorofluoromethane	1.88	101	40216	19.55	ug/l	95
8) Diethyl Ether	2.11	74	18933	20.40	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24247	20.16	ug/l	99
10) Methyl Iodide	2.41	142	19675	16.43	ug/l	99
11) Tert butyl alcohol	2.83	59	42414	97.78	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23606	20.01	ug/l	98
13) Acrolein	2.20	56	33766	98.12	ug/l	99
14) Allyl chloride	2.59	41	52813	18.45	ug/l	100
15) Acrylonitrile	2.94	53	107293	104.05	ug/l	98
16) Acetone	2.32	43	96485	88.93	ug/l	100
17) Carbon Disulfide	2.48	76	78121	19.31	ug/l	100
18) Methyl Acetate	2.62	43	54821	20.21	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	93683	20.63	ug/l	97
20) Methylene Chloride	2.70	84	30013	19.54	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	25958	19.91	ug/l	97
22) Diisopropyl ether	3.58	45	111300	20.30	ug/l	98
23) Vinyl Acetate	3.53	43	480997	103.73	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58345	20.10	ug/l	99
25) 2-Butanone	4.27	43	154694	100.62	ug/l	98
26) 2,2-Dichloropropane	4.23	77	42190	18.14	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	29326	20.28	ug/l	99
28) Bromochloromethane	4.55	49	31122	21.73	ug/l	98
29) Tetrahydrofuran	4.64	42	100980	104.73	ug/l	99
30) Chloroform	4.68	83	52545	20.36	ug/l	98
31) Cyclohexane	5.00	56	54649	19.04	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	43826	20.13	ug/l	98
36) 1,1-Dichloropropene	5.14	75	38805	19.16	ug/l	100
37) Ethyl Acetate	4.39	43	56717	19.51	ug/l	99
38) Carbon Tetrachloride	5.14	117	36727	19.67	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44546	19.50	ug/l	99
40) Benzene	5.39	78	120227	19.63	ug/l	100
41) Methacrylonitrile	4.55	41	30606	19.33	ug/l	98
42) 1,2-Dichloroethane	5.41	62	45252	19.99	ug/l	100
43) Isopropyl Acetate	5.55	43	85178	20.26	ug/l	100
44) Trichloroethene	6.19	130	26251	19.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	34207	19.63	ug/l	99
46) Dibromomethane	6.56	93	19847	19.35	ug/l	99
47) Bromodichloromethane	6.76	83	40440	19.60	ug/l	99
48) Methyl methacrylate	6.63	41	41575	18.99	ug/l	100
49) 1,4-Dioxane	6.62	88	16051	398.95	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	283789	100.39	ug/l	100
52) Toluene	7.64	92	69068	19.71	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	45513	19.37	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	48804	19.09	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	28372	19.63	ug/l	98
56) Ethyl methacrylate	8.02	69	45720	18.57	ug/l	99
57) 1,3-Dichloropropane	8.24	76	54223	19.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	137326	96.08	ug/l	99
59) 2-Hexanone	8.36	43	219782	99.66	ug/l	99
60) Dibromochloromethane	8.48	129	27970	19.36	ug/l	100
61) 1,2-Dibromoethane	8.59	107	28821	18.93	ug/l	98
64) Tetrachloroethene	8.23	164	21632	19.02	ug/l	99
65) Chlorobenzene	9.12	112	72471	19.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	25971	20.00	ug/l	100
67) Ethyl Benzene	9.25	91	127164	19.52	ug/l	100
68) m/p-Xylenes	9.38	106	94464	39.72	ug/l	100
69) o-Xylene	9.78	106	46092	19.94	ug/l	97
70) Styrene	9.79	104	75270	18.47	ug/l	99
71) Bromoform	9.96	173	20757	19.23	ug/l #	99
73) Isopropylbenzene	10.17	105	124170	21.10	ug/l	100
74) N-amyl acetate	10.02	43	71380	20.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	49549	19.58	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	41345m	18.96	ug/l	
77) Bromobenzene	10.45	156	28532	19.80	ug/l	98
78) n-propylbenzene	10.59	91	146213	20.47	ug/l	100
79) 2-Chlorotoluene	10.66	91	89531	20.43	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	103105	19.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17406m	18.42	ug/l	
82) 4-Chlorotoluene	10.77	91	100321	20.49	ug/l	100
83) tert-Butylbenzene	11.10	119	98468	20.48	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	105056	19.56	ug/l	100
85) sec-Butylbenzene	11.32	105	122746	19.53	ug/l	99
86) p-Isopropyltoluene	11.48	119	104578	19.27	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	51856	19.38	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	52866	18.66	ug/l	98
89) n-Butylbenzene	11.89	91	88765	17.90	ug/l	100
90) Hexachloroethane	12.15	117	19542	20.09	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53491	19.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11315	20.45	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	32243	18.32	ug/l	99
94) Hexachlorobutadiene	13.69	225	16476	19.03	ug/l	98
95) Naphthalene	13.75	128	114724	18.53	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	33488	18.85	ug/l	99

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

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