

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
 Data File : VU027561.D
 Acq On : 10 Oct 2018 10:47
 Operator : MD/SY
 Sample : VU1010WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:02:12 AM

Quant Time: Oct 11 05:02:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	119719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	207819	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	91253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90644	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	
35) Dibromofluoromethane	4.88	113	66265	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	7.57	98	249576	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	10.31	95	89218	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	31218	18.087	ug/l	98
3) Chloromethane	1.33	50	41933	17.945	ug/l	98
4) Vinyl Chloride	1.40	62	39608	18.031	ug/l	100
5) Bromomethane	1.62	94	22570	23.746	ug/l	99
6) Chloroethane	1.70	64	23004	17.428	ug/l	97
7) Trichlorofluoromethane	1.89	101	41880	18.791	ug/l	99
8) Diethyl Ether	2.11	74	19084	18.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24065	18.592	ug/l	97
10) Methyl Iodide	2.41	142	20415	23.351	ug/l	98
11) Tert butyl alcohol	2.83	59	42766	101.587	ug/l	99
12) 1,1-Dichloroethene	2.29	96	22925	18.128	ug/l	98
13) Acrolein	2.20	56	15125	42.818	ug/l	100
14) Allyl chloride	2.59	41	54019	17.989	ug/l	99
15) Acrylonitrile	2.94	53	109312	99.765	ug/l	98
16) Acetone	2.32	43	106797	90.430	ug/l	99
17) Carbon Disulfide	2.48	76	72764	15.954	ug/l	99
18) Methyl Acetate	2.62	43	59941	22.249	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	97430	19.228	ug/l	96
20) Methylene Chloride	2.70	84	30321	18.432	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	26601	18.736	ug/l	97
22) Diisopropyl ether	3.58	45	117628	19.272	ug/l	98
23) Vinyl Acetate	3.53	43	489814	91.892	ug/l	100
24) 1,1-Dichloroethane	3.45	63	59516	18.968	ug/l	98
25) 2-Butanone	4.27	43	157132	97.569	ug/l	100
26) 2,2-Dichloropropane	4.23	77	46559	18.058	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	30188	18.593	ug/l	99
28) Bromochloromethane	4.55	49	31181	20.598	ug/l	99
29) Tetrahydrofuran	4.64	42	100555	99.075	ug/l	98
30) Chloroform	4.68	83	53197	19.082	ug/l	99
31) Cyclohexane	5.00	56	55554	17.171	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	44922	19.133	ug/l	99
36) 1,1-Dichloropropene	5.14	75	39298	17.416	ug/l	99
37) Ethyl Acetate	4.39	43	53511	18.349	ug/l	99
38) Carbon Tetrachloride	5.14	117	36818	18.063	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45843	17.380	ug/l	99
40) Benzene	5.39	78	122583	18.650	ug/l	100
41) Methacrylonitrile	4.55	41	31349	19.019	ug/l	99
42) 1,2-Dichloroethane	5.41	62	45118	18.493	ug/l	99
43) Isopropyl Acetate	5.55	43	85522	18.882	ug/l	99
44) Trichloroethene	6.19	130	27185	18.549	ug/l	100
45) 1,2-Dichloropropane	6.44	63	36009	18.994	ug/l	97
46) Dibromomethane	6.56	93	20953	19.569	ug/l	97
47) Bromodichloromethane	6.76	83	41135	18.515	ug/l	98
48) Methyl methacrylate	6.63	41	42125	18.703	ug/l	99
49) 1,4-Dioxane	6.62	88	15647	403.763	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	286049	97.192	ug/l	99
52) Toluene	7.64	92	71617	18.409	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	47593	18.270	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	51440	18.369	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	30413	19.717	ug/l	98
56) Ethyl methacrylate	8.02	69	49038	18.119	ug/l	99
57) 1,3-Dichloropropane	8.24	76	55458	18.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	143795	93.958	ug/l	99
59) 2-Hexanone	8.36	43	222389	97.408	ug/l	100
60) Dibromochloromethane	8.48	129	29524	19.084	ug/l	97
61) 1,2-Dibromoethane	8.59	107	30658	18.694	ug/l	100
64) Tetrachloroethene	8.23	164	21796	18.545	ug/l	98
65) Chlorobenzene	9.12	112	74721	18.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	27063	19.726	ug/l	98
67) Ethyl Benzene	9.25	91	131261	18.642	ug/l	99
68) m/p-Xylenes	9.38	106	98706	38.325	ug/l	98
69) o-Xylene	9.78	106	47803	19.532	ug/l	98
70) Styrene	9.79	104	78153	18.596	ug/l	99
71) Bromoform	9.96	173	21338	19.331	ug/l #	99
73) Isopropylbenzene	10.17	105	130538	19.696	ug/l	100
74) N-amyl acetate	10.02	43	72987	19.237	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	52172	20.048	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	47043m	19.887	ug/l	
77) Bromobenzene	10.45	156	30242	19.634	ug/l	96
78) n-propylbenzene	10.59	91	152843	19.192	ug/l	100
79) 2-Chlorotoluene	10.66	91	94004	19.550	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	107555	19.933	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17843m	19.741	ug/l	
82) 4-Chlorotoluene	10.77	91	103673	18.999	ug/l	98
83) tert-Butylbenzene	11.10	119	105219	20.171	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	109404	19.849	ug/l	100
85) sec-Butylbenzene	11.32	105	128394	19.535	ug/l	99
86) p-Isopropyltoluene	11.48	119	110684	19.669	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	55375	18.986	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	56217	18.862	ug/l	99
89) n-Butylbenzene	11.89	91	96782	17.524	ug/l	99
90) Hexachloroethane	12.15	117	20656	19.473	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	55791	19.652	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11390	19.749	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35177	19.149	ug/l	99
94) Hexachlorobutadiene	13.69	225	18147	19.552	ug/l	99
95) Naphthalene	13.74	128	123924	19.026	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37738	19.719	ug/l	99

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

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