

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027917.D
 Acq On : 02 Nov 2018 11:43
 Operator : MD/SY
 Sample : VU1102WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:47 AM

Quant Time: Nov 03 04:31:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	161675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	129058	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	94751	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	7.57	98	346992	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	125575	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	42263	20.572	ug/l	95
3) Chloromethane	1.33	50	51176	20.598	ug/l	98
4) Vinyl Chloride	1.40	62	46674	18.927	ug/l	98
5) Bromomethane	1.62	94	21096	23.143	ug/l	95
6) Chloroethane	1.70	64	27888	19.625	ug/l	97
7) Trichlorofluoromethane	1.88	101	54909	19.269	ug/l	99
8) Diethyl Ether	2.11	74	26761	21.933	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	32732	19.336	ug/l	98
10) Methyl Iodide	2.41	142	20966	19.153	ug/l	98
11) Tert butyl alcohol	2.83	59	69366	109.008	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31147	18.382	ug/l	99
13) Acrolein	2.20	56	23955	98.215	ug/l	100
14) Allyl chloride	2.59	41	80050	19.330	ug/l	98
15) Acrylonitrile	2.94	53	169327	108.327	ug/l	98
16) Acetone	2.32	43	151864	101.830	ug/l	99
17) Carbon Disulfide	2.48	76	105249	19.003	ug/l	100
18) Methyl Acetate	2.62	43	85995	20.962	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	147862	21.639	ug/l	100
20) Methylene Chloride	2.70	84	46413	21.315	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	37937	19.401	ug/l	97
22) Diisopropyl ether	3.58	45	181023	21.173	ug/l	96
23) Vinyl Acetate	3.53	43	810499	110.303	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85231	20.014	ug/l	97
25) 2-Butanone	4.27	43	251698	106.086	ug/l	98
26) 2,2-Dichloropropane	4.23	77	59173	18.515	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	47223	21.535	ug/l	98
28) Bromochloromethane	4.55	49	42518	21.297	ug/l	98
29) Tetrahydrofuran	4.64	42	170967	107.915	ug/l	99
30) Chloroform	4.67	83	79492	20.358	ug/l	98
31) Cyclohexane	5.00	56	82387	18.655	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	61183	19.684	ug/l	100
36) 1,1-Dichloropropene	5.14	75	55094	18.422	ug/l	99
37) Ethyl Acetate	4.39	43	90571	20.669	ug/l	98
38) Carbon Tetrachloride	5.13	117	49123	18.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	67095	18.601	ug/l	98
40) Benzene	5.39	78	182550	19.965	ug/l	98
41) Methacrylonitrile	4.55	41	50161	21.450	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67836	20.872	ug/l	98
43) Isopropyl Acetate	5.55	43	146639	21.360	ug/l	100
44) Trichloroethene	6.19	130	38205	19.438	ug/l	100
45) 1,2-Dichloropropane	6.43	63	54104	20.518	ug/l	97
46) Dibromomethane	6.56	93	32602	21.509	ug/l	98
47) Bromodichloromethane	6.76	83	60559	20.732	ug/l	97
48) Methyl methacrylate	6.63	41	72660	21.598	ug/l	99
49) 1,4-Dioxane	6.61	88	25513	464.820	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	477051	104.050	ug/l	100
52) Toluene	7.64	92	105660	19.656	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69870	19.976	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	75269	20.903	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45556	20.831	ug/l	96
56) Ethyl methacrylate	8.02	69	80304	20.822	ug/l	97
57) 1,3-Dichloropropane	8.24	76	84282	21.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	219751	106.389	ug/l	100
59) 2-Hexanone	8.36	43	372878	105.153	ug/l	99
60) Dibromochloromethane	8.48	129	43764	21.147	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49043	21.105	ug/l	100
64) Tetrachloroethene	8.23	164	32203	18.672	ug/l	95
65) Chlorobenzene	9.12	112	108327	19.278	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	38602	20.112	ug/l	97
67) Ethyl Benzene	9.25	91	196794	19.026	ug/l	100
68) m/p-Xylenes	9.38	106	146159	38.945	ug/l	98
69) o-Xylene	9.78	106	73872	19.493	ug/l	99
70) Styrene	9.79	104	120008	19.819	ug/l	99
71) Bromoform	9.96	173	31742	19.733	ug/l #	97
73) Isopropylbenzene	10.17	105	188054	19.489	ug/l	99
74) N-amyl acetate	10.01	43	123098	21.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	83440	21.438	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	68600m	20.135	ug/l	
77) Bromobenzene	10.45	156	46485	21.009	ug/l	99
78) n-propylbenzene	10.59	91	223577	19.357	ug/l	100
79) 2-Chlorotoluene	10.66	91	136241	19.679	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	157088	19.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	25572m	18.905	ug/l	
82) 4-Chlorotoluene	10.77	91	151118	19.227	ug/l	98
83) tert-Butylbenzene	11.10	119	152922	19.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	161293	20.039	ug/l	99
85) sec-Butylbenzene	11.32	105	186714	19.213	ug/l	99
86) p-Isopropyltoluene	11.48	119	157387	19.372	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	81018	19.822	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	80233	19.152	ug/l	98
89) n-Butylbenzene	11.89	91	143866	18.633	ug/l	99
90) Hexachloroethane	12.15	117	26786	18.519	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	83018	20.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18241	22.241	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52399	18.613	ug/l	97
94) Hexachlorobutadiene	13.69	225	25220	19.306	ug/l	96
95) Naphthalene	13.74	128	206272	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	57340	20.790	ug/l	100

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

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