

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025763.D
 Acq On : 01 Aug 2018 09:47
 Operator : MD/SY
 Sample : VU0801WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:19 AM

Quant Time: Aug 01 15:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	110787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168983	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	101928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138633	80.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.62%	
35) Dibromofluoromethane	4.89	113	113936	77.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.04%	
50) Toluene-d8	7.57	98	401168	78.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.00%	
62) 4-Bromofluorobenzene	10.31	95	152176	76.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56204	33.566	ug/l	96
3) Chloromethane	1.33	50	51914	32.437	ug/l	99
4) Vinyl Chloride	1.40	62	46486	30.864	ug/l	97
5) Bromomethane	1.63	94	24157	32.839	ug/l	98
6) Chloroethane	1.70	64	27584	31.321	ug/l	97
7) Trichlorofluoromethane	1.89	101	69515	31.923	ug/l	100
8) Diethyl Ether	2.10	74	24110	30.600	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40416	32.071	ug/l	98
10) Methyl Iodide	2.41	142	34372	32.811	ug/l	100
11) Tert butyl alcohol	2.83	59	60743	160.727	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36892	31.014	ug/l	94
13) Acrolein	2.19	56	29396	214.488	ug/l	94
14) Allyl chloride	2.59	41	65530	30.655	ug/l	98
15) Acrylonitrile	2.94	53	122011	161.697	ug/l	98
16) Acetone	2.32	43	126807	150.676	ug/l	99
17) Carbon Disulfide	2.48	76	112133	29.127	ug/l	99
18) Methyl Acetate	2.62	43	73694	36.381	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	141121	32.738	ug/l	100
20) Methylene Chloride	2.70	84	45872	30.756	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	43409	31.568	ug/l	97
22) Diisopropyl ether	3.57	45	137227	32.576	ug/l	95
23) Vinyl Acetate	3.53	43	571666	155.721	ug/l	100
24) 1,1-Dichloroethane	3.45	63	82879	32.775	ug/l	99
25) 2-Butanone	4.27	43	179733	156.886	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75177	32.708	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49015	31.616	ug/l	98
28) Bromochloromethane	4.55	49	35921	31.771	ug/l	97
29) Tetrahydrofuran	4.64	42	109681	159.801	ug/l	99
30) Chloroform	4.68	83	84743	31.749	ug/l	99
31) Cyclohexane	5.00	56	68850	30.781	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	77206	32.128	ug/l	98
36) 1,1-Dichloropropene	5.14	75	61343	31.062	ug/l	99
37) Ethyl Acetate	4.38	43	62654	30.597	ug/l	98
38) Carbon Tetrachloride	5.14	117	69664	31.144	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	68339	30.202	ug/l	97
40) Benzene	5.39	78	179327	31.065	ug/l	99
41) Methacrylonitrile	4.54	41	35145	30.901	ug/l	96
42) 1,2-Dichloroethane	5.41	62	69182	31.124	ug/l	100
43) Isopropyl Acetate	5.55	43	106077	31.349	ug/l	100
44) Trichloroethene	6.19	130	49669	30.897	ug/l	97
45) 1,2-Dichloropropane	6.44	63	47701	31.685	ug/l	99
46) Dibromomethane	6.56	93	34320	31.461	ug/l	98
47) Bromodichloromethane	6.76	83	65682	31.565	ug/l	98
48) Methyl methacrylate	6.63	41	52638	31.739	ug/l	98
49) 1,4-Dioxane	6.62	88	26014	644.583	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	333741	157.538	ug/l	99
52) Toluene	7.64	92	112174	31.279	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	72633	31.088	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	76324	31.802	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47435	31.828	ug/l	98
56) Ethyl methacrylate	8.02	69	64793	30.428	ug/l	98
57) 1,3-Dichloropropane	8.25	76	78596	31.359	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	123542	131.569	ug/l	100
59) 2-Hexanone	8.36	43	256535	154.481	ug/l	100
60) Dibromochloromethane	8.48	129	53137	30.234	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51690	31.186	ug/l	99
64) Tetrachloroethene	8.23	164	44038	30.278	ug/l	98
65) Chlorobenzene	9.12	112	129422	30.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	48001	31.146	ug/l	98
67) Ethyl Benzene	9.25	91	212894	30.168	ug/l	100
68) m/p-Xylenes	9.38	106	169291	62.486	ug/l	99
69) o-Xylene	9.78	106	81995	30.966	ug/l	98
70) Styrene	9.80	104	129297	30.231	ug/l	98
71) Bromoform	9.96	173	41114	30.766	ug/l #	98
73) Isopropylbenzene	10.17	105	220556	31.704	ug/l	99
74) N-amyl acetate	10.01	43	89643	31.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	75931	31.562	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	63720m	28.373	ug/l	
77) Bromobenzene	10.45	156	58688	30.585	ug/l	98
78) n-propylbenzene	10.59	91	250825	30.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	151090	31.769	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	189301	32.040	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	23607m	26.358	ug/l	
82) 4-Chlorotoluene	10.77	91	175762	31.352	ug/l	99
83) tert-Butylbenzene	11.10	119	185647	31.625	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	194298	32.452	ug/l	99
85) sec-Butylbenzene	11.33	105	222835	31.092	ug/l	99
86) p-Isopropyltoluene	11.48	119	197947	30.845	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107196	30.096	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	109514	29.496	ug/l	100
89) n-Butylbenzene	11.89	91	167203	28.234	ug/l	98
90) Hexachloroethane	12.15	117	34245	30.013	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	106229	30.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17854	31.304	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	68654	29.136	ug/l	99
94) Hexachlorobutadiene	13.69	225	33585	27.039	ug/l	96
95) Naphthalene	13.75	128	205964	27.783	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69048	29.376	ug/l	99

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

