

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025254.D
 Acq On : 06 Jul 2018 20:54
 Operator : MD/SY
 Sample : VU0707WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0707WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:58:01 PM

Quant Time: Jul 07 00:31:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	155002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	220461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	126079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123648	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	4.89	113	97650	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.57	98	328344	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	10.31	95	127509	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30141	15.536	ug/l	98
3) Chloromethane	1.33	50	31906	16.097	ug/l	98
4) Vinyl Chloride	1.40	62	33623	16.448	ug/l	99
5) Bromomethane	1.62	94	21645	21.904	ug/l	100
6) Chloroethane	1.70	64	23114	19.595	ug/l	98
7) Trichlorofluoromethane	1.89	101	54965	17.619	ug/l	99
8) Diethyl Ether	2.10	74	21253	18.847	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	34405	17.777	ug/l	98
10) Methyl Iodide	2.41	142	32433	22.996	ug/l	96
11) Tert butyl alcohol	2.82	59	60514	98.329	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30866	17.489	ug/l	95
13) Acrolein	2.19	56	34828	107.768	ug/l	98
14) Allyl chloride	2.59	41	49803	15.198	ug/l	94
15) Acrylonitrile	2.94	53	118028	98.572	ug/l	99
16) Acetone	2.32	43	129124	94.972	ug/l	97
17) Carbon Disulfide	2.48	76	75503	13.360	ug/l	99
18) Methyl Acetate	2.62	43	57090	19.587	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	124483	18.764	ug/l	98
20) Methylene Chloride	2.70	84	40344	18.911	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	32619	16.780	ug/l	96
22) Diisopropyl ether	3.57	45	117751	18.126	ug/l #	89
23) Vinyl Acetate	3.53	43	520455	89.437	ug/l	100
24) 1,1-Dichloroethane	3.45	63	66578	17.816	ug/l	97
25) 2-Butanone	4.26	43	179442	98.257	ug/l	99
26) 2,2-Dichloropropane	4.23	77	56992	16.061	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	40916	18.308	ug/l	99
28) Bromochloromethane	4.55	49	36948	22.447	ug/l	85
29) Tetrahydrofuran	4.64	42	110185	97.428	ug/l	98
30) Chloroform	4.68	83	70950	18.757	ug/l	99
31) Cyclohexane	5.00	56	57687	16.042	ug/l #	95
32) 1,1,1-Trichloroethane	4.92	97	64350	18.397	ug/l	95
36) 1,1-Dichloropropene	5.14	75	48547	17.541	ug/l	99
37) Ethyl Acetate	4.38	43	62340	20.666	ug/l #	91
38) Carbon Tetrachloride	5.14	117	54514	17.912	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	56546	16.372	ug/l	98
40) Benzene	5.39	78	143616	18.211	ug/l	98
41) Methacrylonitrile	4.54	41	34676	21.320	ug/l	98
42) 1,2-Dichloroethane	5.41	62	61368	20.431	ug/l	99
43) Isopropyl Acetate	5.55	43	98036	18.801	ug/l	100
44) Trichloroethene	6.19	130	40164	17.895	ug/l	98
45) 1,2-Dichloropropane	6.44	63	38350	18.225	ug/l	97
46) Dibromomethane	6.56	93	27992	18.938	ug/l	94
47) Bromodichloromethane	6.76	83	52469	17.827	ug/l	99
48) Methyl methacrylate	6.63	41	49430	19.468	ug/l	98
49) 1,4-Dioxane	6.61	88	24586	495.146	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	325961	99.504	ug/l	99
52) Toluene	7.64	92	91997	18.132	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	54255	16.415	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	59229	16.817	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	39884	19.338	ug/l	98
56) Ethyl methacrylate	8.02	69	62060	17.978	ug/l	97
57) 1,3-Dichloropropane	8.25	76	66373	19.077	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	81837	61.882	ug/l	96
59) 2-Hexanone	8.36	43	255099	95.384	ug/l	100
60) Dibromochloromethane	8.48	129	41302	16.059	ug/l	98
61) 1,2-Dibromoethane	8.59	107	43029	18.744	ug/l	99
64) Tetrachloroethene	8.23	164	38593	18.416	ug/l	98
65) Chlorobenzene	9.12	112	104544	18.563	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	38680	18.077	ug/l	96
67) Ethyl Benzene	9.25	91	176169	17.843	ug/l	98
68) m/p-Xylenes	9.38	106	136903	36.109	ug/l	99
69) o-Xylene	9.78	106	69406	18.498	ug/l	97
70) Styrene	9.80	104	109043	17.684	ug/l	97
71) Bromoform	9.96	173	31545	15.511	ug/l #	97
73) Isopropylbenzene	10.17	105	183578	18.965	ug/l	99
74) N-amyl acetate	10.01	43	81823	17.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	65520	20.199	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	54662m	19.692	ug/l	
77) Bromobenzene	10.45	156	47106	19.222	ug/l	94
78) n-propylbenzene	10.59	91	202497	17.759	ug/l	97
79) 2-Chlorotoluene	10.66	91	125899	18.723	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	155294	18.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	19718m	16.441	ug/l	
82) 4-Chlorotoluene	10.78	91	139411	17.813	ug/l	99
83) tert-Butylbenzene	11.10	119	154597	19.156	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	154348	18.052	ug/l	99
85) sec-Butylbenzene	11.33	105	182123	18.028	ug/l	98
86) p-Isopropyltoluene	11.48	119	158213	17.487	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	82360	18.191	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	82013	17.998	ug/l	98
89) n-Butylbenzene	11.89	91	118671	14.774	ug/l	98
90) Hexachloroethane	12.15	117	26230	14.861	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	85382	18.828	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15672	17.510	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	45580	16.277	ug/l	98
94) Hexachlorobutadiene	13.70	225	27779	17.624	ug/l	98
95) Naphthalene	13.75	128	155843	17.261	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	50774	18.196	ug/l	99

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

