

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024682.D
 Acq On : 18 Jun 2018 11:23
 Operator : MD/SY
 Sample : VU0618WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:54:59 PM

Quant Time: Jun 18 17:52:00 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	182597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278486	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	127292	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	4.89	113	113020	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	7.57	98	401768	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	10.31	95	147518	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	36414	15.93	ug/l	99
3) Chloromethane	1.33	50	42951	18.39	ug/l	99
4) Vinyl Chloride	1.41	62	46007	19.11	ug/l	97
5) Bromomethane	1.63	94	26765	22.99	ug/l	97
6) Chloroethane	1.70	64	29945	21.66	ug/l	98
7) Trichlorofluoromethane	1.89	101	71863	19.55	ug/l	98
8) Diethyl Ether	2.10	74	27381	20.79	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41167	18.06	ug/l	97
10) Methyl Iodide	2.41	142	33543	20.83	ug/l	96
11) Tert butyl alcohol	2.82	59	61294	84.54	ug/l	98
12) 1,1-Dichloroethene	2.29	96	37850	18.20	ug/l	95
13) Acrolein	2.20	56	21690	56.97	ug/l	99
14) Allyl chloride	2.60	41	67645	17.52	ug/l	91
15) Acrylonitrile	2.94	53	139761	99.08	ug/l	100
16) Acetone	2.32	43	145036	90.55	ug/l	95
17) Carbon Disulfide	2.48	76	112034	16.83	ug/l	99
18) Methyl Acetate	2.62	43	69505	20.24	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	147810	18.91	ug/l	99
20) Methylene Chloride	2.71	84	46395	18.46	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	42528	18.57	ug/l	91
22) Diisopropyl ether	3.57	45	147840	19.32	ug/l	93
23) Vinyl Acetate	3.53	43	651030	94.97	ug/l	98
24) 1,1-Dichloroethane	3.45	63	84003	19.08	ug/l	98
25) 2-Butanone	4.27	43	208323	96.83	ug/l	96
26) 2,2-Dichloropropane	4.23	77	75749	18.12	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	51608	19.60	ug/l	95
28) Bromochloromethane	4.55	49	37252	19.21	ug/l	88
29) Tetrahydrofuran	4.64	42	129288	97.04	ug/l	98
30) Chloroform	4.68	83	85073	19.09	ug/l	96
31) Cyclohexane	5.00	56	77750	18.65	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	75814	18.40	ug/l	96
36) 1,1-Dichloropropene	5.14	75	59857	18.29	ug/l	97
37) Ethyl Acetate	4.38	43	73543	20.62	ug/l #	96
38) Carbon Tetrachloride	5.14	117	68339	18.99	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77959	19.09	ug/l	97
40) Benzene	5.39	78	183767	19.71	ug/l	99
41) Methacrylonitrile	4.55	41	39387	20.48	ug/l	95
42) 1,2-Dichloroethane	5.41	62	65203	18.36	ug/l	96
43) Isopropyl Acetate	5.55	43	120015	19.47	ug/l	99
44) Trichloroethene	6.19	130	49151	18.52	ug/l	97
45) 1,2-Dichloropropane	6.44	63	50842	20.43	ug/l	96
46) Dibromomethane	6.56	93	34559	19.77	ug/l	93
47) Bromodichloromethane	6.76	83	67050	19.27	ug/l	98
48) Methyl methacrylate	6.63	41	58608	19.52	ug/l	98
49) 1,4-Dioxane	6.62	88	24590	418.84	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	391371	101.04	ug/l	98
52) Toluene	7.64	92	114148	19.03	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	71940	18.41	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	78247	18.79	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47723	19.57	ug/l	99
56) Ethyl methacrylate	8.02	69	79789	19.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	82602	20.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	151048	96.60	ug/l	95
59) 2-Hexanone	8.36	43	307098	97.12	ug/l	99
60) Dibromochloromethane	8.48	129	55487	18.25	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52954	19.51	ug/l	100
64) Tetrachloroethene	8.23	164	47829	19.64	ug/l	97
65) Chlorobenzene	9.12	112	133251	20.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51190	20.58	ug/l	100
67) Ethyl Benzene	9.25	91	224685	19.58	ug/l	97
68) m/p-Xylenes	9.38	106	174018	39.49	ug/l	95
69) o-Xylene	9.78	106	88196	20.22	ug/l	93
70) Styrene	9.80	104	139460	19.46	ug/l	99
71) Bromoform	9.96	173	46740	19.77	ug/l #	97
73) Isopropylbenzene	10.17	105	230524	21.15	ug/l	99
74) N-amyl acetate	10.01	43	105926	20.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	81503	22.31	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	66706m	21.34	ug/l	
77) Bromobenzene	10.46	156	57260	20.75	ug/l	93
78) n-propylbenzene	10.59	91	258948	20.17	ug/l	97
79) 2-Chlorotoluene	10.66	91	156513	20.67	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	194271	20.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	26162m	19.37	ug/l	
82) 4-Chlorotoluene	10.78	91	173853	19.73	ug/l	98
83) tert-Butylbenzene	11.10	119	197782	21.76	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	199211	20.69	ug/l	99
85) sec-Butylbenzene	11.33	105	232096	20.40	ug/l	98
86) p-Isopropyltoluene	11.48	119	203285	19.95	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	101907	19.99	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	101640	19.81	ug/l	99
89) n-Butylbenzene	11.89	91	166486	18.41	ug/l	98
90) Hexachloroethane	12.15	117	39371	19.81	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	105490	20.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19229	19.08	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59017	18.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	34390	19.37	ug/l	98
95) Naphthalene	13.75	128	185211	18.18	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62202	19.80	ug/l	99

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

