

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024958.D
 Acq On : 27 Jun 2018 11:42
 Operator : MD/SY
 Sample : VU0627WBS02
 Misc : 5.00mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:01 PM

Quant Time: Jun 27 13:46:34 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	188087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281638	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	131115	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	4.89	113	106732	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
50) Toluene-d8	7.57	98	359888	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
62) 4-Bromofluorobenzene	10.31	95	144177	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	40338	17.13	ug/l	99
3) Chloromethane	1.33	50	43103	17.92	ug/l	99
4) Vinyl Chloride	1.40	62	44435	17.91	ug/l	96
5) Bromomethane	1.63	94	29984	25.01	ug/l	99
6) Chloroethane	1.70	64	31025	21.79	ug/l	98
7) Trichlorofluoromethane	1.89	101	74299	19.63	ug/l	99
8) Diethyl Ether	2.10	74	28411	20.96	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	45190	19.24	ug/l	98
10) Methyl Iodide	2.41	142	41580	24.00	ug/l	98
11) Tert butyl alcohol	2.82	59	70195	94.00	ug/l	100
12) 1,1-Dichloroethene	2.29	96	41385	19.32	ug/l	97
13) Acrolein	2.20	56	20888	53.26	ug/l	97
14) Allyl chloride	2.60	41	80204	20.17	ug/l	94
15) Acrylonitrile	2.94	53	139590	96.07	ug/l	98
16) Acetone	2.32	43	164881	99.94	ug/l	99
17) Carbon Disulfide	2.48	76	118363	17.26	ug/l	98
18) Methyl Acetate	2.62	43	76535	21.64	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	164645	20.45	ug/l	95
20) Methylene Chloride	2.71	84	48859	18.87	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	44515	18.87	ug/l	97
22) Diisopropyl ether	3.57	45	154354	19.58	ug/l	# 88
23) Vinyl Acetate	3.53	43	663355	93.94	ug/l	99
24) 1,1-Dichloroethane	3.45	63	90128	19.88	ug/l	98
25) 2-Butanone	4.26	43	214447	96.77	ug/l	95
26) 2,2-Dichloropropane	4.23	77	85431	19.84	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	53956	19.90	ug/l	100
28) Bromochloromethane	4.55	49	38733	19.39	ug/l	84
29) Tetrahydrofuran	4.64	42	127052	92.58	ug/l	96
30) Chloroform	4.68	83	93625	20.40	ug/l	99
31) Cyclohexane	5.00	56	81617	19.05	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	86525	20.39	ug/l	96
36) 1,1-Dichloropropene	5.14	75	66295	20.03	ug/l	97
37) Ethyl Acetate	4.38	43	75509	20.93	ug/l	97
38) Carbon Tetrachloride	5.14	117	75663	20.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	84230	20.39	ug/l	96
40) Benzene	5.39	78	195263	20.71	ug/l	98
41) Methacrylonitrile	4.55	41	40792	20.97	ug/l	97
42) 1,2-Dichloroethane	5.41	62	80187	22.33	ug/l	98
43) Isopropyl Acetate	5.55	43	120288	19.29	ug/l	98
44) Trichloroethene	6.19	130	53408	19.90	ug/l	99
45) 1,2-Dichloropropane	6.44	63	51406	20.43	ug/l	93
46) Dibromomethane	6.56	93	37689	21.32	ug/l	95
47) Bromodichloromethane	6.76	83	69830	19.84	ug/l	95
48) Methyl methacrylate	6.63	41	61826	20.36	ug/l	98
49) 1,4-Dioxane	6.62	88	29609	498.68	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	386907	98.77	ug/l	99
52) Toluene	7.64	92	124563	20.53	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	79079	20.01	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	80697	19.16	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	49843	20.21	ug/l	99
56) Ethyl methacrylate	8.02	69	79728	19.32	ug/l	98
57) 1,3-Dichloropropane	8.25	76	86840	20.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	34106	21.57	ug/l	96
59) 2-Hexanone	8.36	43	311418	97.38	ug/l	100
60) Dibromochloromethane	8.48	129	57600	18.73	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54948	20.02	ug/l	97
64) Tetrachloroethene	8.23	164	50505	20.36	ug/l	99
65) Chlorobenzene	9.12	112	142010	21.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	53701	21.20	ug/l	98
67) Ethyl Benzene	9.25	91	244751	20.94	ug/l	99
68) m/p-Xylenes	9.38	106	187717	41.83	ug/l	99
69) o-Xylene	9.78	106	93956	21.16	ug/l	97
70) Styrene	9.80	104	148669	20.37	ug/l	99
71) Bromoform	9.96	173	44781	18.60	ug/l #	98
73) Isopropylbenzene	10.17	105	253353	21.95	ug/l	100
74) N-amyl acetate	10.01	43	105528	19.22	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	80988	20.93	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	75957m	22.94	ug/l	
77) Bromobenzene	10.45	156	62667	21.44	ug/l	94
78) n-propylbenzene	10.59	91	285892	21.02	ug/l	98
79) 2-Chlorotoluene	10.66	91	174770	21.79	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	215491	21.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	26202m	18.32	ug/l	
82) 4-Chlorotoluene	10.78	91	198527	21.27	ug/l	99
83) tert-Butylbenzene	11.10	119	215719	22.41	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	220179	21.59	ug/l	99
85) sec-Butylbenzene	11.33	105	259366	21.53	ug/l	99
86) p-Isopropyltoluene	11.48	119	226284	20.97	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	112823	20.89	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114638	21.09	ug/l	99
89) n-Butylbenzene	11.89	91	180896	18.88	ug/l	97
90) Hexachloroethane	12.15	117	40488	19.23	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	117943	21.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21510	20.15	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74655	22.35	ug/l	99
94) Hexachlorobutadiene	13.70	225	41006	21.81	ug/l	99
95) Naphthalene	13.74	128	246429	22.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	81023	24.35	ug/l	98

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

