

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024842.D
 Acq On : 22 Jun 2018 19:26
 Operator : MD/SY
 Sample : VU0623WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS02

Manual Integrations
 APPROVED

apatel
 6/26/2018 11:59:44 AM

Quant Time: Jun 23 03:56:48 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	172885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258051	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	121779	43.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.30%	
35) Dibromofluoromethane	4.89	113	98000	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	7.57	98	342551	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
62) 4-Bromofluorobenzene	10.31	95	136499	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38621	17.85	ug/l	99
3) Chloromethane	1.33	50	39034	17.66	ug/l	98
4) Vinyl Chloride	1.40	62	41712	18.29	ug/l	98
5) Bromomethane	1.62	94	26618	24.15	ug/l	94
6) Chloroethane	1.70	64	26936	20.52	ug/l	97
7) Trichlorofluoromethane	1.89	101	68043	19.56	ug/l	98
8) Diethyl Ether	2.10	74	26013	20.87	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38347	17.76	ug/l	96
10) Methyl Iodide	2.41	142	36302	23.06	ug/l	99
11) Tert butyl alcohol	2.82	59	61928	90.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35148	17.85	ug/l	92
13) Acrolein	2.19	56	20788	57.67	ug/l	97
14) Allyl chloride	2.59	41	62428	17.08	ug/l	98
15) Acrylonitrile	2.94	53	128581	96.28	ug/l	99
16) Acetone	2.32	43	141632	93.40	ug/l	99
17) Carbon Disulfide	2.48	76	98273	15.59	ug/l	99
18) Methyl Acetate	2.62	43	67677	20.82	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	140604	19.00	ug/l	98
20) Methylene Chloride	2.70	84	43384	18.23	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	39005	17.99	ug/l	95
22) Diisopropyl ether	3.57	45	139981	19.32	ug/l	95
23) Vinyl Acetate	3.53	43	599931	92.43	ug/l	99
24) 1,1-Dichloroethane	3.45	63	77654	18.63	ug/l	99
25) 2-Butanone	4.26	43	197606	97.01	ug/l	96
26) 2,2-Dichloropropane	4.23	77	73653	18.61	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47298	18.98	ug/l	100
28) Bromochloromethane	4.55	49	38869	21.17	ug/l	88
29) Tetrahydrofuran	4.64	42	116135	92.07	ug/l	96
30) Chloroform	4.68	83	81166	19.24	ug/l	98
31) Cyclohexane	5.00	56	72054	18.21	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	73978	18.96	ug/l	97
36) 1,1-Dichloropropene	5.14	75	57241	18.88	ug/l	98
37) Ethyl Acetate	4.38	43	68239	20.65	ug/l	96
38) Carbon Tetrachloride	5.14	117	65293	19.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71108	18.79	ug/l	96
40) Benzene	5.39	78	172674	19.98	ug/l	100
41) Methacrylonitrile	4.55	41	38438	21.57	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69235	21.04	ug/l	99
43) Isopropyl Acetate	5.55	43	112699	19.73	ug/l	99
44) Trichloroethene	6.19	130	47336	19.25	ug/l	95
45) 1,2-Dichloropropane	6.44	63	46556	20.19	ug/l	98
46) Dibromomethane	6.56	93	33963	20.97	ug/l	99
47) Bromodichloromethane	6.76	83	63078	19.56	ug/l	98
48) Methyl methacrylate	6.63	41	55229	19.85	ug/l	98
49) 1,4-Dioxane	6.62	88	26570	488.40	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	368465	102.66	ug/l	99
52) Toluene	7.64	92	109437	19.69	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	68460	18.90	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	72673	18.83	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45948	20.33	ug/l	99
56) Ethyl methacrylate	8.02	69	74514	19.70	ug/l	97
57) 1,3-Dichloropropane	8.25	76	77558	20.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	97859	67.54	ug/l	95
59) 2-Hexanone	8.36	43	294602	100.54	ug/l	100
60) Dibromochloromethane	8.48	129	51965	18.44	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49507	19.68	ug/l	99
64) Tetrachloroethene	8.23	164	42417	18.19	ug/l	97
65) Chlorobenzene	9.12	112	126249	20.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	47246	19.85	ug/l	98
67) Ethyl Benzene	9.25	91	214786	19.55	ug/l	99
68) m/p-Xylenes	9.38	106	166622	39.50	ug/l	97
69) o-Xylene	9.78	106	84004	20.12	ug/l	97
70) Styrene	9.80	104	132060	19.25	ug/l	97
71) Bromoform	9.96	173	40244	17.79	ug/l #	100
73) Isopropylbenzene	10.17	105	226173	20.41	ug/l	100
74) N-amyl acetate	10.01	43	98631	18.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	78868	21.24	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	77324m	24.33	ug/l	
77) Bromobenzene	10.45	156	57135	20.37	ug/l	95
78) n-propylbenzene	10.59	91	249656	19.12	ug/l	98
79) 2-Chlorotoluene	10.66	91	153030	19.88	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	191040	19.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	24807m	18.07	ug/l	
82) 4-Chlorotoluene	10.78	91	175350	19.57	ug/l	100
83) tert-Butylbenzene	11.10	119	194016	21.00	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	194933	19.92	ug/l	100
85) sec-Butylbenzene	11.33	105	230335	19.92	ug/l	98
86) p-Isopropyltoluene	11.48	119	200542	19.36	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	103227	19.92	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	102540	19.66	ug/l	99
89) n-Butylbenzene	11.89	91	162990	17.72	ug/l	97
90) Hexachloroethane	12.15	117	36333	17.98	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	108437	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20311	19.82	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	69623	21.72	ug/l	99
94) Hexachlorobutadiene	13.70	225	36110	20.01	ug/l	97
95) Naphthalene	13.74	128	236990	22.71	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	73846	23.12	ug/l	100

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

