

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024711.D
 Acq On : 18 Jun 2018 23:53
 Operator : MD/SY
 Sample : VU0618WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:07 PM

Quant Time: Jun 19 07:44:37 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	152447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	121200	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	4.89	113	103133	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	7.57	98	372496	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	10.31	95	136152	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31911	16.72	ug/l	98
3) Chloromethane	1.33	50	38536	19.77	ug/l	96
4) Vinyl Chloride	1.40	62	39590	19.69	ug/l	97
5) Bromomethane	1.63	94	25470	26.21	ug/l	97
6) Chloroethane	1.70	64	25770	22.36	ug/l	98
7) Trichlorofluoromethane	1.89	101	65277	21.28	ug/l	95
8) Diethyl Ether	2.10	74	25374	23.30	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35092	18.44	ug/l	96
10) Methyl Iodide	2.41	142	31934	23.02	ug/l	97
11) Tert butyl alcohol	2.82	59	60513	99.98	ug/l	100
12) 1,1-Dichloroethene	2.28	96	33984	19.58	ug/l	91
13) Acrolein	2.19	56	11071	34.83	ug/l	99
14) Allyl chloride	2.60	41	53258	16.52	ug/l	92
15) Acrylonitrile	2.93	53	127875	108.59	ug/l	97
16) Acetone	2.32	43	115909	86.68	ug/l	96
17) Carbon Disulfide	2.48	76	95318	17.15	ug/l	100
18) Methyl Acetate	2.62	43	72276	25.21	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	132275	20.27	ug/l	96
20) Methylene Chloride	2.70	84	41211	19.64	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	37289	19.50	ug/l	91
22) Diisopropyl ether	3.57	45	132554	20.75	ug/l	98
23) Vinyl Acetate	3.53	43	537008	93.83	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75092	20.43	ug/l	100
25) 2-Butanone	4.26	43	187227	104.24	ug/l	97
26) 2,2-Dichloropropane	4.23	77	24539	7.03	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	44704	20.34	ug/l	89
28) Bromochloromethane	4.55	49	33977	20.99	ug/l	88
29) Tetrahydrofuran	4.63	42	123726	111.23	ug/l	99
30) Chloroform	4.68	83	75820	20.38	ug/l	99
31) Cyclohexane	5.00	56	66939	19.30	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	65833	19.14	ug/l	96
36) 1,1-Dichloropropene	5.14	75	51653	17.71	ug/l	94
37) Ethyl Acetate	4.38	43	70014	22.02	ug/l	96
38) Carbon Tetrachloride	5.14	117	59370	18.51	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62747	17.24	ug/l	95
40) Benzene	5.39	78	163770	19.70	ug/l	99
41) Methacrylonitrile	4.54	41	36897	21.52	ug/l	94
42) 1,2-Dichloroethane	5.41	62	59475	18.79	ug/l	97
43) Isopropyl Acetate	5.55	43	111180	20.23	ug/l	99
44) Trichloroethene	6.19	130	45274	19.14	ug/l	93
45) 1,2-Dichloropropane	6.44	63	45145	20.36	ug/l	98
46) Dibromomethane	6.56	93	31334	20.11	ug/l	94
47) Bromodichloromethane	6.76	83	58600	18.89	ug/l	98
48) Methyl methacrylate	6.63	41	53598	20.03	ug/l	96
49) 1,4-Dioxane	6.62	88	24886	475.52	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	369776	107.10	ug/l	98
52) Toluene	7.64	92	100723	18.83	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	56721	16.28	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	60072	16.18	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	44293	20.38	ug/l	98
56) Ethyl methacrylate	8.02	69	73880	20.31	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73542	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	162463	116.56	ug/l	97
59) 2-Hexanone	8.36	43	292624	103.81	ug/l	100
60) Dibromochloromethane	8.48	129	48743	17.98	ug/l	99
61) 1,2-Dibromoethane	8.59	107	47005	19.43	ug/l	97
64) Tetrachloroethene	8.23	164	44374	20.43	ug/l	98
65) Chlorobenzene	9.12	112	116767	20.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45196	20.38	ug/l	98
67) Ethyl Benzene	9.25	91	198493	19.40	ug/l	98
68) m/p-Xylenes	9.38	106	152504	38.82	ug/l	95
69) o-Xylene	9.78	106	77778	20.00	ug/l	96
70) Styrene	9.80	104	123945	19.40	ug/l	98
71) Bromoform	9.96	173	39064	18.53	ug/l #	99
73) Isopropylbenzene	10.17	105	201613	20.49	ug/l	99
74) N-amyl acetate	10.01	43	98834	21.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	75193	22.81	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	63638m	22.55	ug/l	
77) Bromobenzene	10.46	156	52410	21.04	ug/l	94
78) n-propylbenzene	10.59	91	223397	19.27	ug/l	98
79) 2-Chlorotoluene	10.66	91	137044	20.05	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	169595	19.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	17746m	14.56	ug/l	
82) 4-Chlorotoluene	10.78	91	154171	19.38	ug/l	100
83) tert-Butylbenzene	11.10	119	169013	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	172112	19.80	ug/l	97
85) sec-Butylbenzene	11.33	105	199214	19.40	ug/l	97
86) p-Isopropyltoluene	11.48	119	173015	18.81	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	91056	19.79	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	92031	19.87	ug/l	99
89) n-Butylbenzene	11.89	91	140202	17.17	ug/l	98
90) Hexachloroethane	12.15	117	33288	18.55	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96209	20.87	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19196	21.10	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	60006	21.08	ug/l	99
94) Hexachlorobutadiene	13.70	225	29499	18.41	ug/l	99
95) Naphthalene	13.74	128	222721	23.99	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	66609	23.48	ug/l	99

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

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