

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027251.D
 Acq On : 28 Sep 2018 02:02
 Operator : MD/SY
 Sample : J5033-16MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:12 PM

Quant Time: Sep 28 05:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	75309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133598	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76613	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	4.88	113	55385	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	7.57	98	199634	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
62) 4-Bromofluorobenzene	10.31	95	75199	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52058	52.944	ug/l	98
3) Chloromethane	1.33	50	79725	47.029	ug/l	99
4) Vinyl Chloride	1.40	62	81107	51.255	ug/l	100
5) Bromomethane	1.62	94	55274	61.338	ug/l	96
6) Chloroethane	1.69	64	51610	51.045	ug/l	99
7) Trichlorofluoromethane	1.88	101	88109	49.024	ug/l	99
8) Diethyl Ether	2.11	74	42855	49.539	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	48016	43.450	ug/l	98
10) Methyl Iodide	2.41	142	19792	14.441	ug/l	99
11) Tert butyl alcohol	2.83	59	84769	244.000	ug/l	99
12) 1,1-Dichloroethene	2.28	96	48530	46.658	ug/l	96
13) Acrolein	2.20	56	25138	134.228	ug/l	98
14) Allyl chloride	2.59	41	114453	54.253	ug/l	98
15) Acrylonitrile	2.94	53	241348	275.632	ug/l	99
16) Acetone	2.32	43	202041	251.007	ug/l	98
17) Carbon Disulfide	2.48	76	177166	52.286	ug/l	100
18) Methyl Acetate	2.62	43	116795	54.138	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	227371	59.486	ug/l	100
20) Methylene Chloride	2.70	84	67786	49.937	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	59249	53.353	ug/l	100
22) Diisopropyl ether	3.58	45	262522	58.179	ug/l	96
23) Vinyl Acetate	3.53	43	1002125	260.536	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135490	54.519	ug/l	98
25) 2-Butanone	4.26	43	343409	269.596	ug/l	99
26) 2,2-Dichloropropane	4.23	77	81230	41.911	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	79932	63.735	ug/l	98
28) Bromochloromethane	4.55	49	65141	54.376	ug/l	96
29) Tetrahydrofuran	4.64	42	225933	293.207	ug/l	97
30) Chloroform	4.67	83	125766	54.518	ug/l	99
31) Cyclohexane	5.00	56	119996	53.153	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	99722	54.142	ug/l	99
36) 1,1-Dichloropropene	5.14	75	90140	50.555	ug/l	99
37) Ethyl Acetate	4.38	43	113790	47.143	ug/l	99
38) Carbon Tetrachloride	5.14	117	84522	49.813	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	97430	50.283	ug/l	97
40) Benzene	5.39	78	273479	50.454	ug/l	100
41) Methacrylonitrile	4.54	41	71099	56.718	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105175	51.358	ug/l	100
43) Isopropyl Acetate	5.55	43	181017	51.423	ug/l	99
44) Trichloroethene	6.19	130	60625	52.537	ug/l	93
45) 1,2-Dichloropropane	6.43	63	80879	52.368	ug/l	100
46) Dibromomethane	6.56	93	47457	50.878	ug/l	97
47) Bromodichloromethane	6.76	83	93672	49.665	ug/l	98
48) Methyl methacrylate	6.62	41	98483	51.374	ug/l	98
49) 1,4-Dioxane	6.61	88	30801	809.162	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	654756	276.559	ug/l	100
52) Toluene	7.64	92	164260	52.869	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	105440	52.032	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	109954	49.348	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	66078	50.193	ug/l	99
56) Ethyl methacrylate	8.02	69	111879	49.023	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127068	51.895	ug/l	99
59) 2-Hexanone	8.36	43	502923	271.376	ug/l	99
60) Dibromochloromethane	8.48	129	66118	51.201	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68424	49.953	ug/l	97
64) Tetrachloroethene	8.23	164	47731	47.723	ug/l	99
65) Chlorobenzene	9.12	112	166859	48.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	60573	51.099	ug/l	99
67) Ethyl Benzene	9.25	91	301374	53.253	ug/l	99
68) m/p-Xylenes	9.38	106	224348	97.918	ug/l	98
69) o-Xylene	9.78	106	108274	53.998	ug/l	99
70) Stvrene	9.79	104	180604	48.303	ug/l	99
71) Bromoform	9.96	173	47266	51.563	ug/l #	99
73) Isopropylbenzene	10.17	105	290924	53.780	ug/l	99
74) N-amyl acetate	10.02	43	152303	48.639	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	117239	47.137	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	104946m	48.577	ug/l	
77) Bromobenzene	10.45	156	66470	50.283	ug/l	95
78) n-propylbenzene	10.59	91	350926	54.826	ug/l	100
79) 2-Chlorotoluene	10.66	91	207393	51.584	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	243367	54.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	27337m	40.494	ug/l	
82) 4-Chlorotoluene	10.77	91	242280	53.743	ug/l	99
83) tert-Butylbenzene	11.10	119	232037	52.559	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	248304	54.639	ug/l	98
85) sec-Butylbenzene	11.32	105	288768	53.583	ug/l	99
86) p-Isopropyltoluene	11.48	119	243655	48.217	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	119905	48.743	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	122943	45.856	ug/l	100
89) n-Butylbenzene	11.89	91	223309	45.767	ug/l	100
90) Hexachloroethane	12.15	117	45571	46.501	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	123253	47.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26001	51.244	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	76613	50.878	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37033	46.480	ug/l	99
95) Naphthalene	13.74	128	277480	47.227	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	82177	50.889	ug/l	99

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

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