

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027120.D
 Acq On : 24 Sep 2018 19:37
 Operator : MD/SY
 Sample : J4968-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:15 AM

Quant Time: Sep 25 02:59:22 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	78525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84300	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	4.88	113	58757	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	7.57	98	225355	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	10.31	95	82301	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48511	47.316	ug/l	97
3) Chloromethane	1.33	50	81053	45.854	ug/l	100
4) Vinyl Chloride	1.40	62	80329	48.684	ug/l	99
5) Bromomethane	1.62	94	30880	32.865	ug/l	97
6) Chloroethane	1.69	64	51950	49.277	ug/l	98
7) Trichlorofluoromethane	1.88	101	93287	49.779	ug/l	98
8) Diethyl Ether	2.11	74	46364	51.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55923	48.533	ug/l	98
10) Methyl Iodide	2.41	142	37239	26.058	ug/l	100
11) Tert butyl alcohol	2.83	59	91412	252.345	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53443	49.277	ug/l	97
13) Acrolein	2.20	56	44659	228.696	ug/l	99
14) Allyl chloride	2.59	41	124817	56.742	ug/l	94
15) Acrylonitrile	2.94	53	249339	273.096	ug/l	99
16) Acetone	2.32	43	215862	257.633	ug/l	99
17) Carbon Disulfide	2.48	76	169608	48.006	ug/l	99
18) Methyl Acetate	2.62	43	117492	52.231	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223532	56.087	ug/l	99
20) Methylene Chloride	2.70	84	69252	48.927	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	59611	51.480	ug/l	99
22) Diisopropyl ether	3.57	45	272943	58.011	ug/l	98
23) Vinyl Acetate	3.53	43	1067712	266.219	ug/l	98
24) 1,1-Dichloroethane	3.45	63	142619	55.037	ug/l	99
25) 2-Butanone	4.26	43	355689	267.800	ug/l	98
26) 2,2-Dichloropropane	4.23	77	95733	47.371	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	69144	52.875	ug/l	97
28) Bromochloromethane	4.55	49	72928	58.382	ug/l	93
29) Tetrahydrofuran	4.64	42	231571	288.216	ug/l	96
30) Chloroform	4.67	83	125176	52.040	ug/l	99
31) Cyclohexane	5.00	56	125999	53.531	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102217	53.224	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92649	51.017	ug/l	99
37) Ethyl Acetate	4.38	43	119135	48.460	ug/l	99
38) Carbon Tetrachloride	5.14	117	86121	49.833	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105214	53.313	ug/l	97
40) Benzene	5.39	78	279343	50.599	ug/l	100
41) Methacrylonitrile	4.54	41	74853	58.627	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108392	51.966	ug/l	99
43) Isopropyl Acetate	5.55	43	191256	53.344	ug/l	99
44) Trichloroethene	6.19	130	59165	50.340	ug/l	96
45) 1,2-Dichloropropane	6.43	63	83864	53.313	ug/l	100
46) Dibromomethane	6.56	93	47796	50.310	ug/l	98
47) Bromodichloromethane	6.76	83	97905	50.965	ug/l	99
48) Methyl methacrylate	6.62	41	102193	52.321	ug/l	99
49) 1,4-Dioxane	6.61	88	35120	906.057	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	687363	285.054	ug/l	99
52) Toluene	7.64	92	166679	52.672	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	113316	54.902	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	117518	51.784	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69199	51.608	ug/l	99
56) Ethyl methacrylate	8.02	69	118286	50.805	ug/l	97
57) 1,3-Dichloropropane	8.24	76	133382	53.483	ug/l	99
59) 2-Hexanone	8.36	43	523067	277.114	ug/l	99
60) Dibromochloromethane	8.48	129	68284	51.917	ug/l	98
61) 1,2-Dibromoethane	8.59	107	71311	51.114	ug/l	100
64) Tetrachloroethene	8.23	164	47815	46.092	ug/l	97
65) Chlorobenzene	9.12	112	172337	48.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62340	50.704	ug/l	99
67) Ethyl Benzene	9.25	91	317539	54.098	ug/l	98
68) m/p-Xylenes	9.38	106	234318	98.592	ug/l	99
69) o-Xylene	9.78	106	113404	54.528	ug/l	97
70) Stvrene	9.79	104	188001	48.471	ug/l	99
71) Bromoform	9.96	173	49427	51.986	ug/l #	100
73) Isopropylbenzene	10.17	105	304084	55.413	ug/l	100
74) N-amyl acetate	10.01	43	166620	52.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	123229	48.841	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	104990m	47.906	ug/l	
77) Bromobenzene	10.45	156	68827	51.325	ug/l	94
78) n-propylbenzene	10.59	91	372281	57.335	ug/l	99
79) 2-Chlorotoluene	10.66	91	218123	53.481	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253647	55.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	30752m	44.904	ug/l	
82) 4-Chlorotoluene	10.77	91	251773	55.054	ug/l	98
83) tert-Butylbenzene	11.10	119	244631	54.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	261660	56.759	ug/l	98
85) sec-Butylbenzene	11.32	105	311115	56.909	ug/l	100
86) p-Isopropyltoluene	11.48	119	261255	50.912	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127311	51.017	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	129579	47.644	ug/l	100
89) n-Butylbenzene	11.89	91	245469	49.394	ug/l	100
90) Hexachloroethane	12.14	117	48996	49.285	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127915	48.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27342	53.121	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	84226	55.138	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	40025	49.520	ug/l	99
95) Naphthalene	13.74	128	306420	51.261	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88146	53.809	ug/l	99

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

