

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025904.D
 Acq On : 06 Aug 2018 22:23
 Operator : MD/SY
 Sample : J4263-13MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:44 PM

Quant Time: Aug 07 04:20:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	182214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274482	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	140633	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	4.89	113	115916	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	7.57	98	411506	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	10.31	95	157821	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	104255	37.86	ug/l	99
3) Chloromethane	1.33	50	103559	39.34	ug/l	99
4) Vinyl Chloride	1.40	62	114335	46.16	ug/l	97
5) Bromomethane	1.63	94	59993	49.59	ug/l	100
6) Chloroethane	1.70	64	71095	49.08	ug/l	99
7) Trichlorofluoromethane	1.89	101	170388	47.57	ug/l	99
8) Diethyl Ether	2.10	74	62803	48.46	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99628	48.07	ug/l	99
10) Methyl Iodide	2.41	142	85562	45.25	ug/l	99
11) Tert butyl alcohol	2.83	59	144461	232.41	ug/l	99
12) 1,1-Dichloroethene	2.28	96	96035	49.09	ug/l	95
13) Acrolein	2.19	56	91564	408.04	ug/l	99
14) Allyl chloride	2.59	41	164153	46.69	ug/l	99
15) Acrylonitrile	2.94	53	330255	266.11	ug/l	98
16) Acetone	2.32	43	368536	266.25	ug/l	98
17) Carbon Disulfide	2.48	76	306219	48.36	ug/l	99
18) Methyl Acetate	2.62	43	146340	43.93	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	371533	52.40	ug/l #	89
20) Methylene Chloride	2.70	84	117012	47.70	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	112199	49.61	ug/l	99
22) Diisopropyl ether	3.58	45	359560	51.90	ug/l	94
23) Vinyl Acetate	3.53	43	1551062	256.89	ug/l	100
24) 1,1-Dichloroethane	3.45	63	212722	51.15	ug/l	99
25) 2-Butanone	4.27	43	584122	310.00	ug/l	100
26) 2,2-Dichloropropane	4.23	77	160548	42.47	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	129208	50.67	ug/l	96
28) Bromochloromethane	4.55	49	92504	49.75	ug/l	99
29) Tetrahydrofuran	4.64	42	294749	261.10	ug/l	99
30) Chloroform	4.68	83	219048	49.90	ug/l	98
31) Cyclohexane	5.00	56	187804	51.97	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	201761	51.05	ug/l	99
36) 1,1-Dichloropropene	5.14	75	162146	50.55	ug/l	98
37) Ethyl Acetate	4.38	43	168519	50.67	ug/l	99
38) Carbon Tetrachloride	5.14	117	182854	50.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182295	49.60	ug/l	98
40) Benzene	5.39	78	477413	50.92	ug/l	98
41) Methacrylonitrile	4.54	41	98034	53.07	ug/l	98
42) 1,2-Dichloroethane	5.41	62	182099	50.44	ug/l	100
43) Isopropyl Acetate	5.55	43	279892	50.92	ug/l	99
44) Trichloroethene	6.19	130	129548	49.61	ug/l	100
45) 1,2-Dichloropropane	6.44	63	124268	50.82	ug/l	97
46) Dibromomethane	6.56	93	89966	50.77	ug/l	100
47) Bromodichloromethane	6.76	83	172495	51.04	ug/l	96
48) Methyl methacrylate	6.63	41	141304	52.45	ug/l	97
49) 1,4-Dioxane	6.62	88	59459	907.02	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1126269	327.30	ug/l	100
52) Toluene	7.64	92	300508	51.59	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	193116	50.89	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	195379	50.12	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	127571	52.70	ug/l	98
56) Ethyl methacrylate	8.02	69	188025	54.36	ug/l	97
57) 1,3-Dichloropropane	8.25	76	208176	51.14	ug/l	100
59) 2-Hexanone	8.36	43	872169	323.34	ug/l	98
60) Dibromochloromethane	8.48	129	146934	51.47	ug/l	100
61) 1,2-Dibromoethane	8.59	107	137712	51.15	ug/l	100
64) Tetrachloroethene	8.23	164	112198	47.17	ug/l	97
65) Chlorobenzene	9.12	112	346313	49.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	129066	51.21	ug/l	98
67) Ethyl Benzene	9.25	91	1147348	99.43	ug/l	100
68) m/p-Xylenes	9.38	106	677516	152.93	ug/l	99
69) o-Xylene	9.78	106	227365	52.51	ug/l	100
70) Styrene	9.80	104	369633	52.85	ug/l	98
71) Bromoform	9.96	173	114860	52.56	ug/l #	98
73) Isopropylbenzene	10.17	105	651038	56.66	ug/l	100
74) N-amyl acetate	10.01	43	245560	52.35	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	200262	50.40	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	167516m	45.16	ug/l	
77) Bromobenzene	10.45	156	162988	51.43	ug/l	97
78) n-propylbenzene	10.59	91	795111	59.29	ug/l	99
79) 2-Chlorotoluene	10.66	91	399300	50.84	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	602760	61.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	63828m	43.15	ug/l	
82) 4-Chlorotoluene	10.78	91	497403	53.72	ug/l	99
83) tert-Butylbenzene	11.10	119	504938	52.08	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1235845	124.98	ug/l	98
85) sec-Butylbenzene	11.33	105	615657	52.01	ug/l	100
86) p-Isopropyltoluene	11.48	119	555506	52.41	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294093	50.00	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	301876	49.23	ug/l	99
89) n-Butylbenzene	11.89	91	493758	50.48	ug/l	97
90) Hexachloroethane	12.15	117	104492	55.45	ug/l	89
91) 1,2-Dichlorobenzene	11.88	146	291735	50.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51109	54.26	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	208148	53.49	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	87381	42.60	ug/l	100
95) Naphthalene	13.74	128	733642	58.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	210727	54.28	ug/l	97

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

