

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025329.D
 Acq On : 11 Jul 2018 21:09
 Operator : MD/SY
 Sample : J3922-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709MSD

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:22 AM

Quant Time: Jul 12 05:05:38 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	253993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151708	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	123374	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	4.89	113	101353	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
50) Toluene-d8	7.57	98	334823	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
62) 4-Bromofluorobenzene	10.31	95	137791	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	82173	46.46	ug/l	100
3) Chloromethane	1.33	50	86523	49.11	ug/l	100
4) Vinyl Chloride	1.40	62	95191	48.97	ug/l	99
5) Bromomethane	1.62	94	56690	57.99	ug/l	98
6) Chloroethane	1.69	64	64155	51.89	ug/l	98
7) Trichlorofluoromethane	1.88	101	147490	48.28	ug/l	98
8) Diethyl Ether	2.10	74	60027	52.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	93821	49.56	ug/l	100
10) Methyl Iodide	2.41	142	106743	50.32	ug/l	100
11) Tert butyl alcohol	2.83	59	155204	267.93	ug/l	100
12) 1,1-Dichloroethene	2.28	96	84988	49.06	ug/l	97
13) Acrolein	2.19	56	55783	145.57	ug/l	98
14) Allyl chloride	2.59	41	146632	46.67	ug/l	100
15) Acrylonitrile	2.93	53	323157	271.35	ug/l	100
16) Acetone	2.32	43	302903	224.06	ug/l	99
17) Carbon Disulfide	2.48	76	225031	44.66	ug/l	99
18) Methyl Acetate	2.62	43	153396	56.42	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	358390	54.39	ug/l	99
20) Methylene Chloride	2.70	84	107700	52.39	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	98361	49.68	ug/l	98
22) Diisopropyl ether	3.57	45	342920	53.44	ug/l	95
23) Vinyl Acetate	3.53	43	1461351	259.62	ug/l	100
24) 1,1-Dichloroethane	3.45	63	194292	53.69	ug/l	99
25) 2-Butanone	4.26	43	475155	258.17	ug/l	99
26) 2,2-Dichloropropane	4.23	77	141012	40.53	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	118738	51.83	ug/l	98
28) Bromochloromethane	4.55	49	90701	51.91	ug/l	99
29) Tetrahydrofuran	4.63	42	298471	270.37	ug/l	99
30) Chloroform	4.68	83	203787	53.18	ug/l	99
31) Cyclohexane	5.00	56	165073	49.23	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	184419	53.10	ug/l	99
36) 1,1-Dichloropropene	5.14	75	139103	47.35	ug/l	99
37) Ethyl Acetate	4.38	43	168012	51.28	ug/l	99
38) Carbon Tetrachloride	5.14	117	160539	50.77	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	169189	46.17	ug/l	97
40) Benzene	5.39	78	427165	50.46	ug/l	98
41) Methacrylonitrile	4.54	41	97228	53.52	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172170	51.16	ug/l	100
43) Isopropyl Acetate	5.55	43	280256	53.42	ug/l	99
44) Trichloroethene	6.19	130	116486	47.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	113368	51.13	ug/l	97
46) Dibromomethane	6.56	93	82062	50.85	ug/l	99
47) Bromodichloromethane	6.76	83	155173	51.76	ug/l	99
48) Methyl methacrylate	6.63	41	140881	53.86	ug/l	98
49) 1,4-Dioxane	6.62	88	63863	1014.72	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	910059	266.87	ug/l	99
52) Toluene	7.64	92	271445	50.40	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	163577	49.66	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	170240	48.56	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	118335	52.75	ug/l	98
56) Ethyl methacrylate	8.02	69	183066	52.25	ug/l	98
57) 1,3-Dichloropropane	8.25	76	194558	52.24	ug/l	100
59) 2-Hexanone	8.36	43	711100	257.08	ug/l	98
60) Dibromochloromethane	8.48	129	129123	53.30	ug/l	98
61) 1,2-Dibromoethane	8.59	107	125648	52.35	ug/l	100
64) Tetrachloroethene	8.23	164	102330	44.20	ug/l	99
65) Chlorobenzene	9.12	112	1675483	264.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119623	52.70	ug/l	99
67) Ethyl Benzene	9.25	91	536835	49.63	ug/l	99
68) m/p-Xylenes	9.38	106	418891	100.16	ug/l	99
69) o-Xylene	9.78	106	207650	49.59	ug/l	96
70) Stvrene	9.80	104	341386	51.33	ug/l	99
71) Bromoform	9.96	173	102381	46.97	ug/l #	98
73) Isopropylbenzene	10.17	105	573804	49.50	ug/l	99
74) N-amyl acetate	10.01	43	246300	51.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194285	51.23	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	173722m	55.35	ug/l	
77) Bromobenzene	10.45	156	146635	49.45	ug/l	100
78) n-propylbenzene	10.59	91	627721	48.80	ug/l	99
79) 2-Chlorotoluene	10.66	91	383382	51.91	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	478766	49.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	57330m	47.43	ug/l	
82) 4-Chlorotoluene	10.78	91	441750	48.50	ug/l	99
83) tert-Butylbenzene	11.10	119	535479	54.33	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492443	49.26	ug/l	99
85) sec-Butylbenzene	11.33	105	613821	52.89	ug/l	96
86) p-Isopropyltoluene	11.48	119	513154	49.94	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	265170	48.93	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	268626	50.72	ug/l	99
89) n-Butylbenzene	11.89	91	426534	50.49	ug/l	99
90) Hexachloroethane	12.15	117	88386	50.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	276201	50.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50451	54.85	ug/l	97
93) 1,2,4-Trichlorobenzene	13.51	180	177316	48.49	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	96546	49.32	ug/l	99
95) Naphthalene	13.74	128	609893	54.52	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	189373	50.85	ug/l	98

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

