

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027062.D
 Acq On : 23 Sep 2018 09:58
 Operator : MD/SY
 Sample : J4963-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 104 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ12311-20180914MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:34 PM

Quant Time: Sep 24 07:08:33 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	4.99	168	78177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137380	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	82362	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	4.88	113	58121	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	7.57	98	225930	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	10.31	95	80955	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	49066	48.071	ug/l	98
3) Chloromethane	1.33	50	84707	48.134	ug/l	99
4) Vinyl Chloride	1.40	62	81953	49.889	ug/l	100
5) Bromomethane	1.62	94	41333	44.185	ug/l	97
6) Chloroethane	1.69	64	52458	49.980	ug/l	99
7) Trichlorofluoromethane	1.89	101	92160	49.397	ug/l	99
8) Diethyl Ether	2.10	74	47247	52.612	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55032	47.972	ug/l	99
10) Methyl Iodide	2.41	142	54477	38.290	ug/l	99
11) Tert butyl alcohol	2.82	59	97141	269.354	ug/l	99
12) 1,1-Dichloroethene	2.29	96	54473	50.450	ug/l	96
13) Acrolein	2.20	56	45842	235.799	ug/l	99
14) Allyl chloride	2.59	41	116544	53.217	ug/l	96
15) Acrylonitrile	2.94	53	246001	270.640	ug/l	98
16) Acetone	2.32	43	224457	269.873	ug/l	99
17) Carbon Disulfide	2.48	76	172450	49.027	ug/l	99
18) Methyl Acetate	2.61	43	105742	47.216	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	219787	55.393	ug/l	98
20) Methylene Chloride	2.70	84	68848	48.858	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	61019	52.931	ug/l	99
22) Diisopropyl ether	3.57	45	270410	57.729	ug/l	98
23) Vinyl Acetate	3.53	43	949776	237.868	ug/l	99
24) 1,1-Dichloroethane	3.45	63	140040	54.282	ug/l	100
25) 2-Butanone	4.26	43	352754	266.773	ug/l	98
26) 2,2-Dichloropropane	4.23	77	73052	36.309	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	69821	53.630	ug/l	99
28) Bromochloromethane	4.55	49	75163	60.440	ug/l	95
29) Tetrahydrofuran	4.64	42	229643	287.088	ug/l	97
30) Chloroform	4.67	83	124504	51.991	ug/l	99
31) Cyclohexane	5.00	56	123168	52.550	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102233	53.469	ug/l	99
36) 1,1-Dichloropropene	5.14	75	91833	50.086	ug/l	99
37) Ethyl Acetate	4.38	43	109103	43.956	ug/l	99
38) Carbon Tetrachloride	5.14	117	85816	49.184	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	100677	50.528	ug/l	98
40) Benzene	5.39	78	278386	49.946	ug/l	100
41) Methacrylonitrile	4.54	41	73917	57.342	ug/l	98
42) 1,2-Dichloroethane	5.41	62	108686	51.611	ug/l	99
43) Isopropyl Acetate	5.55	43	181247	50.071	ug/l	98
44) Trichloroethene	6.19	130	58294	49.127	ug/l	100
45) 1,2-Dichloropropane	6.43	63	84684	53.322	ug/l	97
46) Dibromomethane	6.56	93	48174	50.225	ug/l	98
47) Bromodichloromethane	6.76	83	98985	51.037	ug/l	99
48) Methyl methacrylate	6.62	41	100081	50.782	ug/l	98
49) 1,4-Dioxane	6.61	88	38825	992.269	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	681368	279.877	ug/l	100
52) Toluene	7.64	92	169567	53.074	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	108417	52.028	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	114187	49.837	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69414	51.275	ug/l	100
56) Ethyl methacrylate	8.02	69	117072	49.848	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132299	52.544	ug/l	100
59) 2-Hexanone	8.36	43	521126	273.457	ug/l	99
60) Dibromochloromethane	8.48	129	69122	52.054	ug/l	99
61) 1,2-Dibromoethane	8.59	107	71140	50.506	ug/l	99
64) Tetrachloroethene	8.23	164	48700	46.888	ug/l	99
65) Chlorobenzene	9.12	112	172628	48.302	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62607	50.859	ug/l	98
67) Ethyl Benzene	9.25	91	315351	53.659	ug/l	100
68) m/p-Xylenes	9.38	106	233639	98.192	ug/l	99
69) o-Xylene	9.78	106	112720	54.133	ug/l	98
70) Styrene	9.79	104	188767	48.604	ug/l	99
71) Bromoform	9.96	173	50130	52.661	ug/l #	99
73) Isopropylbenzene	10.17	105	305955	55.337	ug/l	99
74) N-amyl acetate	10.01	43	150990	47.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	121804	47.916	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103426m	46.840	ug/l	
77) Bromobenzene	10.45	156	69052	51.108	ug/l	95
78) n-propylbenzene	10.59	91	370806	56.681	ug/l	99
79) 2-Chlorotoluene	10.66	91	219174	53.337	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	256064	56.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31199m	45.217	ug/l	
82) 4-Chlorotoluene	10.77	91	252542	54.810	ug/l	99
83) tert-Butylbenzene	11.10	119	242016	53.636	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	263893	56.816	ug/l	99
85) sec-Butylbenzene	11.32	105	305367	55.440	ug/l	99
86) p-Isopropyltoluene	11.48	119	257521	49.829	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	127880	50.863	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	130013	47.446	ug/l	99
89) n-Butylbenzene	11.89	91	236501	47.338	ug/l	99
90) Hexachloroethane	12.15	117	49305	49.225	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	128136	47.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26790	51.660	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	81702	53.086	ug/l	98

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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38339	47.080	ug/l	99
95) Naphthalene	13.74	128	302331	50.234	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87610	53.082	ug/l	98

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

