

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026976.D
 Acq On : 21 Sep 2018 18:55
 Operator : MD/SY
 Sample : J4916-18MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:14 PM

Quant Time: Sep 22 01:51:10 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	72942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	131440	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	123405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83124	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
35) Dibromofluoromethane	4.88	113	60577	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	7.57	98	205307	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	10.31	95	73778	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	49393	51.864	ug/l	100
3) Chloromethane	1.33	50	90743	55.265	ug/l	100
4) Vinyl Chloride	1.40	62	84813	55.336	ug/l	100
5) Bromomethane	1.61	94	43516	49.857	ug/l	98
6) Chloroethane	1.69	64	53334	54.461	ug/l	99
7) Trichlorofluoromethane	1.88	101	87962	50.530	ug/l	99
8) Diethyl Ether	2.10	74	51356	61.292	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	46576	43.515	ug/l	100
10) Methyl Iodide	2.41	142	75477	56.857	ug/l	99
11) Tert butyl alcohol	2.83	59	120616	358.449	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53521	53.126	ug/l	98
13) Acrolein	2.20	56	50404	277.872	ug/l	99
14) Allyl chloride	2.59	41	112469	55.042	ug/l	99
15) Acrylonitrile	2.94	53	280190	330.376	ug/l	100
16) Acetone	2.32	43	265138	346.391	ug/l	100
17) Carbon Disulfide	2.48	76	152971	46.611	ug/l	99
18) Methyl Acetate	2.62	43	106850	51.135	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	246249	66.516	ug/l	99
20) Methylene Chloride	2.70	84	74803	56.894	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	58633	54.511	ug/l	98
22) Diisopropyl ether	3.58	45	287835	65.859	ug/l	95
23) Vinyl Acetate	3.53	43	822143	220.680	ug/l	100
24) 1,1-Dichloroethane	3.45	63	146152	60.717	ug/l	100
25) 2-Butanone	4.26	43	396424	321.315	ug/l	99
26) 2,2-Dichloropropane	4.23	77	48967	26.085	ug/l	93
27) cis-1,2-Dichloroethene	4.22	96	72701	59.850	ug/l	95
28) Bromochloromethane	4.55	49	67379	58.069	ug/l	100
29) Tetrahydrofuran	4.64	42	255228	341.973	ug/l	100
30) Chloroform	4.67	83	129879	58.128	ug/l	97
31) Cyclohexane	5.00	56	93450	42.624	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	99985	56.047	ug/l	98
36) 1,1-Dichloropropene	5.14	75	81525	46.474	ug/l	99
37) Ethyl Acetate	4.38	43	102206	43.039	ug/l	98
38) Carbon Tetrachloride	5.14	117	78213	46.852	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	74444	39.051	ug/l	97
40) Benzene	5.39	78	283573	53.176	ug/l	100
41) Methacrylonitrile	4.54	41	81026	65.698	ug/l	98
42) 1,2-Dichloroethane	5.40	62	114659	56.908	ug/l	100
43) Isopropyl Acetate	5.55	43	181568	52.427	ug/l	99
44) Trichloroethene	6.19	130	56849	50.074	ug/l	99
45) 1,2-Dichloropropane	6.43	63	86971	57.237	ug/l	98
46) Dibromomethane	6.56	93	51573	56.198	ug/l	99
47) Bromodichloromethane	6.76	83	102334	55.148	ug/l	100
48) Methyl methacrylate	6.62	41	110133	58.256	ug/l	99
49) 1,4-Dioxane	6.62	88	47513	1269.673	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	753376	323.440	ug/l	99
52) Toluene	7.64	92	160230	52.418	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105326	52.829	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	109499	49.951	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	75445	58.249	ug/l	99
56) Ethyl methacrylate	8.02	69	127248	56.331	ug/l	98
57) 1,3-Dichloropropane	8.24	76	139769	58.019	ug/l	99
59) 2-Hexanone	8.36	43	582166	319.293	ug/l	98
60) Dibromochloromethane	8.48	129	73394	57.769	ug/l	98
61) 1,2-Dibromoethane	8.59	107	77165	57.259	ug/l	100
64) Tetrachloroethene	8.23	164	41923	44.087	ug/l	99
65) Chlorobenzene	9.12	112	166640	50.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64887	57.574	ug/l	99
67) Ethyl Benzene	9.25	91	280385	52.110	ug/l	100
68) m/p-Xylenes	9.38	106	209863	96.364	ug/l	100
69) o-Xylene	9.78	106	105537	55.359	ug/l	100
70) Stvrene	9.79	104	180405	50.657	ug/l	99
71) Bromoform	9.96	173	54416	62.437	ug/l #	99
73) Isopropylbenzene	10.17	105	265326	53.872	ug/l	99
74) N-amyl acetate	10.02	43	133165	46.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	135529	59.852	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	118600m	60.297	ug/l	
77) Bromobenzene	10.45	156	68917	57.262	ug/l	98
78) n-propylbenzene	10.59	91	306749	52.638	ug/l	100
79) 2-Chlorotoluene	10.66	91	197039	53.830	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	224482	55.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	30416m	49.486	ug/l	
82) 4-Chlorotoluene	10.77	91	224789	54.768	ug/l	100
83) tert-Butylbenzene	11.10	119	217578	54.132	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	233742	56.494	ug/l	99
85) sec-Butylbenzene	11.32	105	252527	51.468	ug/l	100
86) p-Isopropyltoluene	11.48	119	216346	47.047	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	118132	52.746	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	122012	49.986	ug/l	99
89) n-Butylbenzene	11.89	91	188507	42.609	ug/l	100
90) Hexachloroethane	12.15	117	42949	48.136	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	127444	53.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30426	65.864	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	78728	57.425	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	31196	43.005	ug/l	99
95) Naphthalene	13.74	128	328004	60.814	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87987	59.847	ug/l	98

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

