

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026971.D
 Acq On : 21 Sep 2018 16:24
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:06 PM

Quant Time: Sep 22 01:25:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	273451	178.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	356.18%	
35) Dibromofluoromethane	4.88	113	200141	150.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.64%	
50) Toluene-d8	7.57	98	791422	159.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.72%	
62) 4-Bromofluorobenzene	10.31	95	304366	171.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	342.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171727	162.221	ug/l	97
3) Chloromethane	1.33	50	287219	186.777	ug/l	100
4) Vinyl Chloride	1.40	62	282273	181.048	ug/l	99
5) Bromomethane	1.60	94	180557	188.776	ug/l	96
6) Chloroethane	1.67	64	170970	171.626	ug/l	100
7) Trichlorofluoromethane	1.87	101	314868	158.566	ug/l	98
8) Diethyl Ether	2.10	74	156469	175.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	191078	161.327	ug/l	100
10) Methyl Iodide	2.40	142	263813	255.186	ug/l	99
11) Tert butyl alcohol	2.85	59	325238	879.650	ug/l	99
12) 1,1-Dichloroethene	2.28	96	186063	165.708	ug/l	99
13) Acrolein	2.20	56	180990	752.392	ug/l	100
14) Allyl chloride	2.59	41	379333m	181.264	ug/l	
15) Acrylonitrile	2.94	53	806901	996.939	ug/l	99
16) Acetone	2.32	43	708808	821.197	ug/l	100
17) Carbon Disulfide	2.47	76	611862	170.136	ug/l	99
18) Methyl Acetate	2.62	43	387910	202.474	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	727107	184.550	ug/l	100
20) Methylene Chloride	2.70	84	229108	166.801	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	204287	171.389	ug/l	98
22) Diisopropyl ether	3.58	45	872706	199.143	ug/l	95
23) Vinyl Acetate	3.53	43	3808532	1023.746	ug/l	100
24) 1,1-Dichloroethane	3.44	63	451113	184.844	ug/l	99
25) 2-Butanone	4.27	43	1154760	980.434	ug/l	99
26) 2,2-Dichloropropane	4.23	77	345844	174.471	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	236059	172.958	ug/l	100
28) Bromochloromethane	4.55	49	228792	194.598	ug/l	100
29) Tetrahydrofuran	4.64	42	738882	1030.526	ug/l	99
30) Chloroform	4.67	83	405605	170.924	ug/l	99
31) Cyclohexane	5.00	56	421032	167.293	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	341037	175.007	ug/l	98
36) 1,1-Dichloropropene	5.14	75	320372	173.584	ug/l	99
37) Ethyl Acetate	4.38	43	419376	183.989	ug/l	99
38) Carbon Tetrachloride	5.13	117	288009	150.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	392103	180.373	ug/l	99
40) Benzene	5.39	78	942722	165.144	ug/l	100
41) Methacrylonitrile	4.54	41	237453	199.905	ug/l	99
42) 1,2-Dichloroethane	5.40	62	350045	169.157	ug/l	100
43) Isopropyl Acetate	5.55	43	667736	193.910	ug/l	100
44) Trichloroethene	6.19	130	209111	151.517	ug/l	99
45) 1,2-Dichloropropane	6.43	63	273674	174.739	ug/l	98
46) Dibromomethane	6.56	93	161291	162.276	ug/l	100
47) Bromodichloromethane	6.76	83	326481	165.852	ug/l	98
48) Methyl methacrylate	6.62	41	346383	203.003	ug/l	98
49) 1,4-Dioxane	6.62	88	135196	3526.051	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	2273772	978.886	ug/l	98
52) Toluene	7.64	92	574644	168.479	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	403585	183.864	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	420915	177.864	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	231526	159.588	ug/l	100
56) Ethyl methacrylate	8.02	69	423681	198.196	ug/l	99
57) 1,3-Dichloropropane	8.24	76	444593	176.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1169103	1067.033	ug/l	100
59) 2-Hexanone	8.37	43	1787289	983.145	ug/l	98
60) Dibromochloromethane	8.48	129	241080	156.698	ug/l	99
61) 1,2-Dibromoethane	8.59	107	247431	157.836	ug/l	100
64) Tetrachloroethene	8.23	164	175699	140.646	ug/l	98
65) Chlorobenzene	9.12	112	612746	154.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	218444	150.820	ug/l	99
67) Ethyl Benzene	9.25	91	1132389	172.175	ug/l	99
68) m/p-Xylenes	9.38	106	843897	339.323	ug/l	99
69) o-Xylene	9.78	106	409953	169.952	ug/l	100
70) Styrene	9.79	104	704872	178.279	ug/l	99
71) Bromoform	9.96	173	188401	152.814	ug/l #	100
73) Isopropylbenzene	10.17	105	1112696	168.721	ug/l	100
74) N-amyl acetate	10.02	43	664680	206.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	439761	161.775	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	361439m	163.414	ug/l	
77) Bromobenzene	10.46	156	257982	146.885	ug/l	97
78) n-propylbenzene	10.59	91	1373682	178.053	ug/l	100
79) 2-Chlorotoluene	10.66	91	794407	166.411	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	952250	172.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	149443m	197.463	ug/l	
82) 4-Chlorotoluene	10.77	91	941904	175.683	ug/l	100
83) tert-Butylbenzene	11.10	119	924753	166.214	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	975676	174.486	ug/l	100
85) sec-Butylbenzene	11.33	105	1178565	177.024	ug/l	100
86) p-Isopropyltoluene	11.48	119	1015885	176.010	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	492148	150.109	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	497200	145.731	ug/l	100
89) n-Butylbenzene	11.89	91	1011814	198.306	ug/l	99
90) Hexachloroethane	12.15	117	190800	163.730	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	490321	148.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	100233	183.948	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	345470	160.370	ug/l	99
94) Hexachlorobutadiene	13.69	225	161879	146.146	ug/l	99
95) Naphthalene	13.74	128	1192294	178.902	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	346641	153.307	ug/l	99

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

