

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033976.D
 Acq On : 27 Aug 2019 16:18
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:54 AM

Quant Time: Aug 28 02:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	350364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	519144	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	511671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	279984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	374535	76.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	153.08%	
35) Dibromofluoromethane	4.86	113	335807	91.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	183.76%	
50) Toluene-d8	7.55	98	1304120	96.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	193.32%	
62) 4-Bromofluorobenzene	10.29	95	501943	97.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	194.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	358616	90.289	ug/l	98
3) Chloromethane	1.32	50	389842	82.013	ug/l	100
4) Vinyl Chloride	1.40	62	358455	69.498	ug/l	99
5) Bromomethane	1.59	94	215608	76.315	ug/l	99
6) Chloroethane	1.67	64	202958	62.572	ug/l	98
7) Trichlorofluoromethane	1.86	101	450594	71.832	ug/l	100
8) Diethyl Ether	2.09	74	168815	63.507	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	286561	77.759	ug/l	99
10) Methyl Iodide	2.39	142	474594	115.567	ug/l	99
11) Tert butyl alcohol	2.82	59	462555	449.028	ug/l #	86
12) 1,1-Dichloroethene	2.27	96	294394	77.849	ug/l	97
13) Acrolein	2.18	56	154402	276.330	ug/l	98
14) Allyl chloride	2.57	41	538911	79.132	ug/l	100
15) Acrylonitrile	2.92	53	1040806	395.195	ug/l	99
16) Acetone	2.31	43	870819	306.797	ug/l	100
17) Carbon Disulfide	2.46	76	957258	77.074	ug/l	99
18) Methyl Acetate	2.60	43	456205	71.917	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	1044135	86.655	ug/l	100
20) Methylene Chloride	2.68	84	370457	79.284	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	341782	82.110	ug/l	98
22) Diisopropyl ether	3.55	45	992135	77.092	ug/l	93
23) Vinyl Acetate	3.50	43	4430026	417.843	ug/l	100
24) 1,1-Dichloroethane	3.42	63	608637	76.254	ug/l	100
25) 2-Butanone	4.23	43	1358433	370.869	ug/l	99
26) 2,2-Dichloropropane	4.20	77	507649	78.154	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	385335	86.050	ug/l	98
28) Bromochloromethane	4.52	49	271813	69.558	ug/l	96
29) Tetrahydrofuran	4.61	42	840095	380.532	ug/l	99
30) Chloroform	4.65	83	599088	75.211	ug/l	99
31) Cyclohexane	4.97	56	535575	76.745	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	537634	82.227	ug/l	100
36) 1,1-Dichloropropene	5.11	75	456038	86.996	ug/l	99
37) Ethyl Acetate	4.35	43	482041	79.168	ug/l	99
38) Carbon Tetrachloride	5.11	117	472555	89.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	575595	98.541	ug/l	97
40) Benzene	5.37	78	1381649	88.611	ug/l	99
41) Methacrylonitrile	4.52	41	263117	86.131	ug/l	99
42) 1,2-Dichloroethane	5.38	62	461797	81.035	ug/l	100
43) Isopropyl Acetate	5.53	43	760348	85.379	ug/l	100
44) Trichloroethene	6.16	130	398086	96.665	ug/l	99
45) 1,2-Dichloropropane	6.41	63	371668	86.439	ug/l	97
46) Dibromomethane	6.54	93	248832	89.193	ug/l	98
47) Bromodichloromethane	6.74	83	491743	87.860	ug/l	99
48) Methyl methacrylate	6.60	41	381124	95.245	ug/l	99
49) 1,4-Dioxane	6.59	88	197791	2093.107	ug/l #	98
51) 4-Methyl-2-Pentanone	7.44	43	2597718	430.704	ug/l	99
52) Toluene	7.62	92	913351	100.289	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	566308	97.679	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	608480	94.207	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	370422	92.759	ug/l	98
56) Ethyl methacrylate	8.00	69	597442	110.127	ug/l	98
57) 1,3-Dichloropropane	8.22	76	619129	89.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	1067890	551.432	ug/l	99
59) 2-Hexanone	8.35	43	2007878	436.550	ug/l	100
60) Dibromochloromethane	8.46	129	439203	104.198	ug/l	99
61) 1,2-Dibromoethane	8.57	107	403684	97.253	ug/l	100
64) Tetrachloroethene	8.21	164	390872	103.465	ug/l	97
65) Chlorobenzene	9.10	112	1041494	98.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	392425	100.104	ug/l	99
67) Ethyl Benzene	9.23	91	1776878	103.040	ug/l	100
68) m/p-Xylenes	9.36	106	1395134	218.551	ug/l	100
69) o-Xylene	9.76	106	672836	110.197	ug/l	99
70) Styrene	9.77	104	1189055	112.735	ug/l	99
71) Bromoform	9.94	173	366620	110.633	ug/l #	99
73) Isopropylbenzene	10.15	105	1829661	105.990	ug/l	100
74) N-amyl acetate	10.00	43	720609	99.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	617104	85.384	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	535796m	84.207	ug/l	
77) Bromobenzene	10.43	156	501880	107.727	ug/l	98
78) n-propylbenzene	10.57	91	2098131	102.753	ug/l	100
79) 2-Chlorotoluene	10.64	91	1219971	99.588	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	1589843	107.646	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	205837m	88.342	ug/l	
82) 4-Chlorotoluene	10.76	91	1421814	98.897	ug/l	99
83) tert-Butylbenzene	11.08	119	1553360	112.324	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1601159	111.582	ug/l	100
85) sec-Butylbenzene	11.31	105	1852488	107.223	ug/l	100
86) p-Isopropyltoluene	11.46	119	1746393	110.905	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	887552	101.076	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	883521	97.434	ug/l	99
89) n-Butylbenzene	11.87	91	1507421	107.300	ug/l	99
90) Hexachloroethane	12.13	117	286784	94.665	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	867802	103.007	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	138171	92.962	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	626725	123.224	ug/l	99
94) Hexachlorobutadiene	13.67	225	356908	111.417	ug/l	98
95) Naphthalene	13.73	128	1729305	124.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	611366	119.585	ug/l	100

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

