

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033958.D
 Acq On : 26 Aug 2019 18:37
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:10 PM

Quant Time: Aug 27 06:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	456616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	755050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	745705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	407629	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	923348	135.43	ug/l	0.00
Spiked Amount			Recovery	=	270.86%	
35) Dibromofluoromethane	4.85	113	727650	152.56	ug/l	0.00
Spiked Amount			Recovery	=	305.12%	
50) Toluene-d8	7.54	98	2768989	147.72	ug/l	0.00
Spiked Amount			Recovery	=	295.44%	
62) 4-Bromofluorobenzene	10.29	95	1111776	158.64	ug/l	0.00
Spiked Amount			Recovery	=	317.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	832666	138.603	ug/l	99
3) Chloromethane	1.32	50	924291	87.640	ug/l	100
4) Vinyl Chloride	1.39	62	1057331	132.889	ug/l	99
5) Bromomethane	1.59	94	433498	129.991	ug/l	97
6) Chloroethane	1.66	64	620012	136.402	ug/l	99
7) Trichlorofluoromethane	1.86	101	1203752	141.099	ug/l	99
8) Diethyl Ether	2.09	74	529344	134.296	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	706052	139.081	ug/l	99
10) Methyl Iodide	2.39	142	1129361	243.659	ug/l	100
11) Tert butyl alcohol	2.83	59	1171978	771.209	ug/l	100
12) 1,1-Dichloroethene	2.26	96	727707	143.840	ug/l	99
13) Acrolein	2.17	56	633308	548.858	ug/l	100
14) Allyl chloride	2.57	41	1479353	128.359	ug/l	90
15) Acrylonitrile	2.91	53	2832138	673.700	ug/l	99
16) Acetone	2.30	43	2546827	573.811	ug/l	98
17) Carbon Disulfide	2.45	76	2390489	132.355	ug/l	99
18) Methyl Acetate	2.59	43	1293485	115.259	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	2546307	134.975	ug/l	100
20) Methylene Chloride	2.68	84	856429	128.696	ug/l	99
21) trans-1,2-Dichloroethene	2.95	96	803752	140.956	ug/l	99
22) Diisopropyl ether	3.54	45	2751540	122.287	ug/l	92
23) Vinyl Acetate	3.50	43	12682360	677.643	ug/l	100
24) 1,1-Dichloroethane	3.41	63	1574961	131.391	ug/l	100
25) 2-Butanone	4.23	43	4013758	665.486	ug/l	100
26) 2,2-Dichloropropane	4.19	77	1276725	133.774	ug/l	100
27) cis-1,2-Dichloroethene	4.19	96	911034	142.269	ug/l	99
28) Bromochloromethane	4.51	49	768592	141.532	ug/l	99
29) Tetrahydrofuran	4.61	42	2505584	649.778	ug/l	100
30) Chloroform	4.64	83	1449342	137.152	ug/l	100
31) Cyclohexane	4.96	56	1419189	101.690	ug/l	99
32) 1,1,1-Trichloroethane	4.88	97	1259772	143.287	ug/l	99
36) 1,1-Dichloropropene	5.11	75	1163694	142.120	ug/l	100
37) Ethyl Acetate	4.35	43	1434410	137.582	ug/l	100
38) Carbon Tetrachloride	5.11	117	1091039	160.279	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	1426934	143.377	ug/l	100
40) Benzene	5.36	78	3396480	140.626	ug/l	100
41) Methacrylonitrile	4.51	41	798579	140.535	ug/l	98
42) 1,2-Dichloroethane	5.38	62	1217008	142.784	ug/l	100
43) Isopropyl Acetate	5.52	43	2264196	138.219	ug/l	99
44) Trichloroethene	6.16	130	868971	158.223	ug/l	98
45) 1,2-Dichloropropane	6.41	63	936263	138.951	ug/l	99
46) Dibromomethane	6.53	93	611004	150.504	ug/l	99
47) Bromodichloromethane	6.73	83	1213196	152.221	ug/l	98
48) Methyl methacrylate	6.60	41	1111156	137.284	ug/l	99
49) 1,4-Dioxane	6.59	88	472317	3490.314	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	7603792	726.135	ug/l	99
52) Toluene	7.61	92	2071541	145.195	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	1478690	158.003	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	1545885	152.067	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	860953	151.724	ug/l	99
56) Ethyl methacrylate	8.00	69	1539888	161.681	ug/l	98
57) 1,3-Dichloropropane	8.22	76	1560775	148.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	3061537	653.867	ug/l	100
59) 2-Hexanone	8.35	43	5991456	723.403	ug/l	98
60) Dibromochloromethane	8.46	129	975343	172.301	ug/l	100
61) 1,2-Dibromoethane	8.57	107	947738	158.727	ug/l	98
64) Tetrachloroethene	8.21	164	714285	142.512	ug/l	99
65) Chlorobenzene	9.10	112	2305766	146.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	867999	169.049	ug/l	99
67) Ethyl Benzene	9.23	91	4128567	143.272	ug/l	100
68) m/p-Xylenes	9.36	106	3100029	294.914	ug/l	99
69) o-Xylene	9.76	106	1522868	149.478	ug/l	100
70) Styrene	9.77	104	2705731	158.587	ug/l	99
71) Bromoform	9.94	173	800685	183.353	ug/l #	99
73) Isopropylbenzene	10.15	105	4146139	135.428	ug/l	99
74) N-amyl acetate	10.00	43	2142061	125.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1574240	133.954	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	1395831m	136.598	ug/l	
77) Bromobenzene	10.43	156	1046903	144.781	ug/l	99
78) n-propylbenzene	10.57	91	4982846	131.619	ug/l	100
79) 2-Chlorotoluene	10.64	91	2864057	131.306	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	3607541	141.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	592634m	133.075	ug/l	
82) 4-Chlorotoluene	10.75	91	3445265	132.902	ug/l	100
83) tert-Butylbenzene	11.08	119	3530625	144.456	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	3634896	139.068	ug/l	100
85) sec-Butylbenzene	11.30	105	4355372	139.470	ug/l	99
86) p-Isopropyltoluene	11.46	119	4008409	149.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1960472	143.433	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1926965	136.541	ug/l	99
89) n-Butylbenzene	11.87	91	3837233	142.770	ug/l	99
90) Hexachloroethane	12.12	117	738616	177.151	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1912314	140.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	384939	151.389	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	1414632	145.251	ug/l	99
94) Hexachlorobutadiene	13.67	225	717148	157.209	ug/l	99
95) Naphthalene	13.73	128	4328765	135.625	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	1372642	140.584	ug/l	99

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

