

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033953.D
 Acq On : 26 Aug 2019 16:40
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:38 PM

Quant Time: Aug 27 06:59:45 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	4.96	168	314352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	531946	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	523966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	226448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3660	0.885 ug/l	91
3) Chloromethane	1.32	50	5485	0.755 ug/l	91
4) Vinyl Chloride	1.40	62	5692	1.039 ug/l	93
6) Chloroethane	1.69	64	4024	1.286 ug/l	93
7) Trichlorofluoromethane	1.87	101	7161	1.219 ug/l	97
8) Diethyl Ether	2.09	74	3156	1.163 ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.27	101	3818	1.092 ug/l #	87
12) 1,1-Dichloroethene	2.27	96	4228	1.214 ug/l	99
14) Allyl chloride	2.58	41	7308	0.921 ug/l	96
15) Acrylonitrile	2.92	53	11562	3.995 ug/l	87
16) Acetone	2.31	43	18144	5.938 ug/l	100
17) Carbon Disulfide	2.46	76	14379	1.156 ug/l	97
18) Methyl Acetate	2.60	43	6701	0.867 ug/l #	81
19) Methyl tert-butyl Ether	2.98	73	11485	0.884 ug/l	94
20) Methylene Chloride	2.68	84	5636	1.230 ug/l	94
21) trans-1,2-Dichloroethene	2.96	96	4464	1.137 ug/l	87
22) Diisopropyl ether	3.54	45	11536	0.745 ug/l #	55
23) Vinyl Acetate	3.51	43	37975	2.947 ug/l	95
24) 1,1-Dichloroethane	3.42	63	8626	1.045 ug/l #	94
25) 2-Butanone	4.25	43	16936	4.079 ug/l	92
26) 2,2-Dichloropropane	4.20	77	7181	1.093 ug/l	93
27) cis-1,2-Dichloroethene	4.21	96	4462	1.012 ug/l	96
28) Bromochloromethane	4.53	49	4066	1.088 ug/l #	96
29) Tetrahydrofuran	4.62	42	9358	3.525 ug/l #	77
30) Chloroform	4.65	83	9670	1.329 ug/l	84
32) 1,1,1-Trichloroethane	4.89	97	7094	1.172 ug/l #	49
36) 1,1-Dichloropropene	5.11	75	6304	1.093 ug/l #	82
37) Ethyl Acetate	4.38	43	6719m	0.915 ug/l	
38) Carbon Tetrachloride	5.11	117	6614	1.379 ug/l	95
39) Methylcyclohexane	6.39	83	5744	0.819 ug/l	89
40) Benzene	5.37	78	17631	1.036 ug/l	96
41) Methacrylonitrile	4.54	41	2606m	0.651 ug/l	
42) 1,2-Dichloroethane	5.39	62	6626	1.103 ug/l	97
43) Isopropyl Acetate	5.53	43	8750	0.758 ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	6.17	130	5077	1.312	ug/l	97
45) 1,2-Dichloropropane	6.41	63	4891	1.030	ug/l	98
46) Dibromomethane	6.54	93	3077	1.076	ug/l	100
47) Bromodichloromethane	6.74	83	6572	1.170	ug/l	99
48) Methyl methacrylate	6.62	41	2966	0.520	ug/l #	83
49) 1,4-Dioxane	6.60	88	1686	17.685	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	27795	3.768	ug/l	96
52) Toluene	7.62	92	8587	0.854	ug/l	95
53) t-1,3-Dichloropropene	7.87	75	5072	0.769	ug/l	95
54) cis-1,3-Dichloropropene	7.26	75	6566	0.917	ug/l	93
55) 1,1,2-Trichloroethane	8.05	97	4582	1.146	ug/l	94
56) Ethyl methacrylate	8.01	69	3982	0.593	ug/l	98
57) 1,3-Dichloropropane	8.23	76	7418	1.002	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	4876	1.478	ug/l	93
59) 2-Hexanone	8.35	43	20084	3.442	ug/l	80
60) Dibromochloromethane	8.46	129	4422	1.109	ug/l	98
61) 1,2-Dibromoethane	8.57	107	4195	0.997	ug/l	97
64) Tetrachloroethene	8.21	164	4675	1.327	ug/l	87
65) Chlorobenzene	9.10	112	11865	1.070	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.19	131	4400	1.220	ug/l #	64
67) Ethyl Benzene	9.23	91	16257	0.803	ug/l	95
68) m/p-Xylenes	9.36	106	10416	1.410	ug/l	89
69) o-Xylene	9.76	106	5158	0.721	ug/l	98
70) Styrene	9.78	104	8151	0.680	ug/l	98
71) Bromoform	9.94	173	3317	1.081	ug/l #	95
73) Isopropylbenzene	10.15	105	12848	0.755	ug/l	98
74) N-amyl acetate	10.01	43	3698	0.389	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.44	83	7095	1.087	ug/l	97
76) 1,2,3-Trichloropropane	10.48	75	6099m	1.074	ug/l	
77) Bromobenzene	10.44	156	3862	0.961	ug/l	95
78) n-propylbenzene	10.57	91	14755	0.702	ug/l	97
79) 2-Chlorotoluene	10.65	91	9476	0.782	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	10446	0.740	ug/l	91
82) 4-Chlorotoluene	10.76	91	10919	0.758	ug/l	98
83) tert-Butylbenzene	11.08	119	9522	0.701	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	8828	0.608	ug/l	94
85) sec-Butylbenzene	11.31	105	11874	0.684	ug/l	96
86) p-Isopropyltoluene	11.46	119	9926	0.664	ug/l	86
87) 1,3-Dichlorobenzene	11.40	146	7939	1.046	ug/l	93
88) 1,4-Dichlorobenzene	11.49	146	9113m	1.162	ug/l	
89) n-Butylbenzene	11.87	91	8006	0.536	ug/l	91
90) Hexachloroethane	12.13	117	2613	1.128	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	7365	0.973	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1171	0.829	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.52	180	2726m	0.504	ug/l	
94) Hexachlorobutadiene	13.68	225	2689	1.061	ug/l	94
95) Naphthalene	13.75	128	5906m	0.333	ug/l	
96) 1,2,3-Trichlorobenzene	13.98	180	3012m	0.555	ug/l	

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

