

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033999.D
 Acq On : 28 Aug 2019 03:03
 Operator : JC/SP
 Sample : VU0828WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:48 AM

Quant Time: Aug 28 05:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	385468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	638068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	551771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	306883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	277640	64.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.66%	
35) Dibromofluoromethane	4.86	113	221931	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	7.55	98	856475	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	10.29	95	307175	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84590	21.818	ug/l	99
3) Chloromethane	1.32	50	116090	28.056	ug/l	100
4) Vinyl Chloride	1.40	62	112597	29.090	ug/l	100
5) Bromomethane	1.60	94	53658	22.809	ug/l	96
6) Chloroethane	1.68	64	46399	20.134	ug/l	97
7) Trichlorofluoromethane	1.87	101	97785	19.200	ug/l	99
8) Diethyl Ether	2.09	74	39179	20.281	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.27	101	67203	20.661	ug/l	95
10) Methyl Iodide	2.40	142	100795	20.693	ug/l	96
11) Tert butyl alcohol	2.81	59	134806	121.534	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	70443	20.750	ug/l	95
13) Acrolein	2.18	56	36119	102.537	ug/l	99
14) Allyl chloride	2.58	41	151173m	25.149	ug/l	
15) Acrylonitrile	2.92	53	276794	123.442	ug/l	99
16) Acetone	2.31	43	238768	116.483	ug/l	97
17) Carbon Disulfide	2.46	76	247080	22.163	ug/l	100
18) Methyl Acetate	2.60	43	135889	26.915	ug/l	94
19) Methyl tert-butyl Ether	2.98	73	264176	23.164	ug/l	95
20) Methylene Chloride	2.68	84	97023	22.310	ug/l	92
21) trans-1,2-Dichloroethene	2.96	96	85091	21.983	ug/l	90
22) Diisopropyl ether	3.55	45	295304	26.738	ug/l	93
23) Vinyl Acetate	3.50	43	1233263	131.440	ug/l	96
24) 1,1-Dichloroethane	3.42	63	166835	24.128	ug/l	98
25) 2-Butanone	4.24	43	374481	127.448	ug/l	93
26) 2,2-Dichloropropane	4.20	77	104716	17.910	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	96415	22.252	ug/l	95
28) Bromochloromethane	4.52	49	87666	27.555	ug/l	83
29) Tetrahydrofuran	4.61	42	238415	129.726	ug/l	92
30) Chloroform	4.65	83	159394	22.512	ug/l	97
31) Cyclohexane	4.97	56	153754	24.350	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	135392	22.714	ug/l	96
36) 1,1-Dichloropropene	5.11	75	117564	20.117	ug/l	97
37) Ethyl Acetate	4.36	43	136913	23.357	ug/l	98
38) Carbon Tetrachloride	5.11	117	116224	19.514	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	129776	18.767	ug/l	95
40) Benzene	5.37	78	360032	20.720	ug/l	100
41) Methacrylonitrile	4.52	41	71804	23.640	ug/l	95
42) 1,2-Dichloroethane	5.38	62	131725	22.418	ug/l	97
43) Isopropyl Acetate	5.53	43	209351	23.293	ug/l	96
44) Trichloroethene	6.17	130	90246	18.215	ug/l	91
45) 1,2-Dichloropropane	6.41	63	101991	21.940	ug/l	97
46) Dibromomethane	6.54	93	63965	20.233	ug/l	92
47) Bromodichloromethane	6.74	83	124505	20.677	ug/l	99
48) Methyl methacrylate	6.60	41	100866	23.604	ug/l	92
49) 1,4-Dioxane	6.59	88	46761	398.731	ug/l #	93
51) 4-Methyl-2-Pentanone	7.44	43	732441	118.197	ug/l	95
52) Toluene	7.62	92	225798	20.609	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	129486	19.446	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	145607	20.228	ug/l #	92
55) 1,1,2-Trichloroethane	8.05	97	80706	17.433	ug/l	97
56) Ethyl methacrylate	8.00	69	115470	17.540	ug/l	98
57) 1,3-Dichloropropane	8.22	76	136597	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	269985	109.231	ug/l	94
59) 2-Hexanone	8.34	43	439095	92.187	ug/l	96
60) Dibromochloromethane	8.46	129	85760	16.473	ug/l	100
61) 1,2-Dibromoethane	8.57	107	82632	16.901	ug/l	100
64) Tetrachloroethene	8.21	164	75039	16.914	ug/l	95
65) Chlorobenzene	9.10	112	216996	19.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	80575	19.021	ug/l	100
67) Ethyl Benzene	9.23	91	377695	19.937	ug/l	99
68) m/p-Xylenes	9.36	106	295726	40.477	ug/l	98
69) o-Xylene	9.76	106	147055	21.053	ug/l	96
70) Styrene	9.77	104	258613	21.633	ug/l	98
71) Bromoform	9.94	173	72408	19.309	ug/l #	100
73) Isopropylbenzene	10.15	105	404149	20.462	ug/l	100
74) N-amyl acetate	10.00	43	182378	24.599	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	156605	22.015	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	134847m	22.053	ug/l	
77) Bromobenzene	10.43	156	107278	19.221	ug/l	90
78) n-propylbenzene	10.57	91	470731	21.016	ug/l	97
79) 2-Chlorotoluene	10.64	91	287854	21.298	ug/l	96
80) 1,3,5-Trimethylbenzene	10.76	105	355702	21.028	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	45457m	21.293	ug/l	
82) 4-Chlorotoluene	10.76	91	330243	21.107	ug/l	97
83) tert-Butylbenzene	11.08	119	329490	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	349624	21.053	ug/l	97
85) sec-Butylbenzene	11.31	105	402259	20.526	ug/l	98
86) p-Isopropyltoluene	11.46	119	357614	19.496	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	186706	18.857	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	184641	18.477	ug/l	97
89) n-Butylbenzene	11.87	91	302852	19.754	ug/l	97
90) Hexachloroethane	12.13	117	60543	19.955	ug/l	86
91) 1,2-Dichlorobenzene	11.86	146	183271	18.804	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31885	22.377	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	105935	16.657	ug/l	99
94) Hexachlorobutadiene	13.67	225	64203	16.068	ug/l	98
95) Naphthalene	13.73	128	304891	17.507	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	110603	17.759	ug/l	98

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

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