

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033961.D
 Acq On : 26 Aug 2019 20:35
 Operator : JC/SP
 Sample : VU0827WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0827WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:20 PM

Quant Time: Aug 27 08:16:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	394989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	665453	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	632043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	319630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	295822	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	4.86	113	226637	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.54	98	859011	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	10.29	95	308770	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95294	20.661	ug/l	100
3) Chloromethane	1.32	50	124318	21.788	ug/l	100
4) Vinyl Chloride	1.39	62	126345	20.302	ug/l	100
5) Bromomethane	1.60	94	78943	24.207	ug/l	100
6) Chloroethane	1.68	64	77670	19.799	ug/l	97
7) Trichlorofluoromethane	1.87	101	143390	19.355	ug/l	99
8) Diethyl Ether	2.09	74	61892	19.446	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	87016	20.336	ug/l	99
10) Methyl Iodide	2.39	142	90320	18.493	ug/l	98
11) Tert butyl alcohol	2.81	59	124637	105.059	ug/l	100
12) 1,1-Dichloroethene	2.26	96	89385	20.372	ug/l	97
13) Acrolein	2.18	56	72701	103.045	ug/l	99
14) Allyl chloride	2.57	41	150446	19.101	ug/l	99
15) Acrylonitrile	2.91	53	323775	103.695	ug/l	99
16) Acetone	2.30	43	294894	87.284	ug/l	99
17) Carbon Disulfide	2.46	76	284353	19.544	ug/l	99
18) Methyl Acetate	2.60	43	153521	20.363	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	293091	20.899	ug/l	99
20) Methylene Chloride	2.68	84	105752	19.517	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	96043	19.868	ug/l	98
22) Diisopropyl ether	3.54	45	324587	21.316	ug/l	95
23) Vinyl Acetate	3.50	43	1371396	108.672	ug/l	99
24) 1,1-Dichloroethane	3.42	63	185503	19.897	ug/l	100
25) 2-Butanone	4.23	43	435679	99.781	ug/l	98
26) 2,2-Dichloropropane	4.20	77	142041	18.789	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	105161	20.285	ug/l	100
28) Bromochloromethane	4.52	49	94138	20.728	ug/l	100
29) Tetrahydrofuran	4.61	42	278952	105.621	ug/l	99
30) Chloroform	4.65	83	179452	19.398	ug/l	98
31) Cyclohexane	4.97	56	168326	20.414	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	150421	19.887	ug/l	98
36) 1,1-Dichloropropene	5.11	75	133435	19.421	ug/l	99
37) Ethyl Acetate	4.35	43	154818	19.034	ug/l	99
38) Carbon Tetrachloride	5.11	117	127938	18.699	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	150262	19.756	ug/l	98
40) Benzene	5.36	78	399661	19.573	ug/l	98
41) Methacrylonitrile	4.51	41	82514	20.131	ug/l	98
42) 1,2-Dichloroethane	5.38	62	150360	19.943	ug/l	100
43) Isopropyl Acetate	5.52	43	235113	19.707	ug/l	99
44) Trichloroethene	6.16	130	97457	18.442	ug/l	98
45) 1,2-Dichloropropane	6.41	63	105823	18.720	ug/l	97
46) Dibromomethane	6.54	93	70465	19.397	ug/l	99
47) Bromodichloromethane	6.73	83	139821	19.033	ug/l	98
48) Methyl methacrylate	6.60	41	112485	19.562	ug/l	98
49) 1,4-Dioxane	6.59	88	49418	408.121	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	805324	99.431	ug/l	100
52) Toluene	7.62	92	242395	20.442	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	151683	19.825	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	169829	20.026	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	96682	18.486	ug/l	97
56) Ethyl methacrylate	8.00	69	143094	19.127	ug/l	98
57) 1,3-Dichloropropane	8.22	76	177286	19.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	255740	94.929	ug/l	100
59) 2-Hexanone	8.34	43	617759	100.037	ug/l	100
60) Dibromochloromethane	8.46	129	103654	19.038	ug/l	100
61) 1,2-Dibromoethane	8.57	107	106524	19.646	ug/l	100
64) Tetrachloroethene	8.21	164	87967	19.411	ug/l	99
65) Chlorobenzene	9.10	112	258594	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	93713	19.444	ug/l	99
67) Ethyl Benzene	9.23	91	434181	20.274	ug/l	100
68) m/p-Xylenes	9.36	106	331024	41.973	ug/l	100
69) o-Xylene	9.76	106	155539	20.632	ug/l	97
70) Styrene	9.77	104	271244	20.771	ug/l	99
71) Bromoform	9.94	173	77997	19.221	ug/l #	98
73) Isopropylbenzene	10.15	105	429623	21.748	ug/l	99
74) N-amyl acetate	10.00	43	189434	20.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	169716	20.076	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	142667m	19.293	ug/l	
77) Bromobenzene	10.43	156	111294	21.102	ug/l	97
78) n-propylbenzene	10.57	91	504967	21.380	ug/l	100
79) 2-Chlorotoluene	10.64	91	304003	21.493	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	365525	21.650	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	50270m	18.127	ug/l	
82) 4-Chlorotoluene	10.75	91	350703	21.094	ug/l	99
83) tert-Butylbenzene	11.08	119	340292	21.543	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	366460	22.281	ug/l	100
85) sec-Butylbenzene	11.31	105	426693	21.533	ug/l	100
86) p-Isopropyltoluene	11.46	119	387223	21.554	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	196762	19.685	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	200524	19.441	ug/l	99
89) n-Butylbenzene	11.87	91	335704	19.375	ug/l	100
90) Hexachloroethane	12.12	117	71777	20.401	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	194356	20.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	35009	20.173	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	114735	18.975	ug/l	99
94) Hexachlorobutadiene	13.67	225	69479	19.443	ug/l	99
95) Naphthalene	13.73	128	312902	18.262	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	117806	19.442	ug/l	97

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

