

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034071.D
 Acq On : 29 Aug 2019 18:46
 Operator : JC/SP
 Sample : VU0830WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:41 PM

Quant Time: Aug 30 05:15:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	421698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	680763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	648938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	344058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	282439	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	4.86	113	238214	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	7.55	98	920005	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	10.29	95	336952	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93551	22.058	ug/l	99
3) Chloromethane	1.32	50	118099	19.579	ug/l	99
4) Vinyl Chloride	1.40	62	118869	21.059	ug/l	98
5) Bromomethane	1.61	94	63136	19.719	ug/l	99
6) Chloroethane	1.69	64	72114	20.897	ug/l	99
7) Trichlorofluoromethane	1.88	101	140611	21.499	ug/l	98
8) Diethyl Ether	2.09	74	60278	21.544	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	88846	21.443	ug/l	99
10) Methyl Iodide	2.40	142	67630	11.506	ug/l	99
11) Tert butyl alcohol	2.81	59	120603	96.788	ug/l	99
12) 1,1-Dichloroethene	2.27	96	90331	21.397	ug/l	98
13) Acrolein	2.18	56	44855	85.572	ug/l	99
14) Allyl chloride	2.58	41	165968m	20.910	ug/l	
15) Acrylonitrile	2.92	53	309507	108.246	ug/l	99
16) Acetone	2.31	43	259467	94.110	ug/l	99
17) Carbon Disulfide	2.46	76	266742	19.964	ug/l	100
18) Methyl Acetate	2.60	43	149025	20.917	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	305524	22.088	ug/l	100
20) Methylene Chloride	2.68	84	110630	21.196	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	97495	21.279	ug/l	98
22) Diisopropyl ether	3.55	45	322194	22.152	ug/l	95
23) Vinyl Acetate	3.50	43	1345358	107.678	ug/l	99
24) 1,1-Dichloroethane	3.42	63	190043	22.132	ug/l	99
25) 2-Butanone	4.24	43	408368	106.463	ug/l	100
26) 2,2-Dichloropropane	4.20	77	130225	18.638	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	110423	21.472	ug/l	97
28) Bromochloromethane	4.52	49	87830	20.761	ug/l	100
29) Tetrahydrofuran	4.61	42	259480	109.692	ug/l	99
30) Chloroform	4.65	83	181150	21.144	ug/l	97
31) Cyclohexane	4.97	56	167711	20.785	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	150016	21.380	ug/l	99
36) 1,1-Dichloropropene	5.12	75	133047	20.662	ug/l	98
37) Ethyl Acetate	4.36	43	149301	20.706	ug/l	99
38) Carbon Tetrachloride	5.11	117	128357	20.651	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	150359	19.812	ug/l	98
40) Benzene	5.37	78	411574	21.126	ug/l	100
41) Methacrylonitrile	4.52	41	78386	21.197	ug/l	98
42) 1,2-Dichloroethane	5.38	62	140494	20.884	ug/l	98
43) Isopropyl Acetate	5.53	43	221409	20.183	ug/l	99
44) Trichloroethene	6.17	130	109146	21.334	ug/l	98
45) 1,2-Dichloropropane	6.41	63	112425	20.964	ug/l	99
46) Dibromomethane	6.54	93	72218	20.902	ug/l	99
47) Bromodichloromethane	6.74	83	140147	20.732	ug/l	98
48) Methyl methacrylate	6.60	41	107123	20.236	ug/l	99
49) 1,4-Dioxane	6.59	88	52903	398.865	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	765076	100.988	ug/l	99
52) Toluene	7.62	92	257240	21.434	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	145550	19.405	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	166491	20.317	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	100499	19.797	ug/l	96
56) Ethyl methacrylate	8.00	69	147307	18.126	ug/l	97
57) 1,3-Dichloropropane	8.22	76	177193	20.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	271029	96.506	ug/l	100
59) 2-Hexanone	8.34	43	577607	100.995	ug/l	98
60) Dibromochloromethane	8.46	129	108787	19.964	ug/l	100
61) 1,2-Dibromoethane	8.57	107	106983	20.006	ug/l	99
64) Tetrachloroethene	8.21	164	94606	21.708	ug/l	98
65) Chlorobenzene	9.10	112	279135	20.902	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	96204	19.867	ug/l	99
67) Ethyl Benzene	9.23	91	466703	20.616	ug/l	100
68) m/p-Xylenes	9.36	106	361595	42.008	ug/l	99
69) o-Xylene	9.76	106	172125	20.843	ug/l	99
70) Styrene	9.77	104	302418	21.358	ug/l	100
71) Bromoform	9.94	173	80646	19.168	ug/l #	99
73) Isopropylbenzene	10.15	105	460120	19.910	ug/l	99
74) N-amyl acetate	10.00	43	189060	19.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	172441	19.495	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	147991m	19.085	ug/l	
77) Bromobenzene	10.43	156	123560	19.876	ug/l	99
78) n-propylbenzene	10.57	91	546166	20.293	ug/l	99
79) 2-Chlorotoluene	10.64	91	329878	20.434	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	405745	20.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41684m	18.101	ug/l	
82) 4-Chlorotoluene	10.76	91	379118	20.420	ug/l	100
83) tert-Butylbenzene	11.08	119	374915	19.443	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	400410	20.587	ug/l	99
85) sec-Butylbenzene	11.30	105	461838	19.984	ug/l	99
86) p-Isopropyltoluene	11.46	119	424111	20.291	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	222359	20.204	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	223639	20.093	ug/l	99
89) n-Butylbenzene	11.87	91	370990	20.132	ug/l	100
90) Hexachloroethane	12.12	117	61718	17.078	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	215499	20.441	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33262	18.875	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	139433	19.293	ug/l	99
94) Hexachlorobutadiene	13.67	225	77785	18.860	ug/l	100
95) Naphthalene	13.73	128	380101	18.856	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	141197	20.907	ug/l	99

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

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