

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034482.D
 Acq On : 11 Sep 2019 18:19
 Operator : JC/SP
 Sample : VU0912WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:12:05 AM

Quant Time: Sep 12 05:14:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	248778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	356894	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	354811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	238538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	198858	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	4.86	113	181289	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
50) Toluene-d8	7.54	98	671466	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	10.29	95	248131	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50764	19.511	ug/l	96
3) Chloromethane	1.32	50	61193	21.721	ug/l	99
4) Vinyl Chloride	1.40	62	62523	19.284	ug/l	100
5) Bromomethane	1.62	94	40447	22.216	ug/l	99
6) Chloroethane	1.69	64	42325	21.897	ug/l	99
7) Trichlorofluoromethane	1.88	101	92820	21.351	ug/l	99
8) Diethyl Ether	2.09	74	40942	21.411	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61068	21.209	ug/l	100
10) Methyl Iodide	2.40	142	40179	17.925	ug/l	99
11) Tert butyl alcohol	2.81	59	91384	114.917	ug/l	96
12) 1,1-Dichloroethene	2.27	96	55471	20.494	ug/l	98
13) Acrolein	2.18	56	39034	58.402	ug/l	97
14) Allyl chloride	2.58	41	104264m	20.149	ug/l	
15) Acrylonitrile	2.92	53	215124	108.634	ug/l	97
16) Acetone	2.31	43	188786	96.918	ug/l	99
17) Carbon Disulfide	2.47	76	106193	17.456	ug/l	99
18) Methyl Acetate	2.60	43	99814	21.059	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	217494	22.045	ug/l	99
20) Methylene Chloride	2.69	84	72855	22.616	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	59228	20.765	ug/l	96
22) Diisopropyl ether	3.55	45	227962	22.590	ug/l	95
23) Vinyl Acetate	3.50	43	885143	107.680	ug/l	99
24) 1,1-Dichloroethane	3.43	63	130467	21.649	ug/l	99
25) 2-Butanone	4.24	43	275822	106.078	ug/l	100
26) 2,2-Dichloropropane	4.20	77	104395	21.538	ug/l	98
27) cis-1,2-Dichloroethene	4.21	96	75429	21.774	ug/l	100
28) Bromochloromethane	4.52	49	64808	23.380	ug/l	98
29) Tetrahydrofuran	4.62	42	173465	109.633	ug/l	100
30) Chloroform	4.65	83	133181	21.741	ug/l	99
31) Cyclohexane	4.97	56	86985	19.729	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	107121	21.872	ug/l	100
36) 1,1-Dichloropropene	5.12	75	80413	20.776	ug/l	99
37) Ethyl Acetate	4.36	43	101766	22.238	ug/l	98
38) Carbon Tetrachloride	5.11	117	90498	21.898	ug/l	98

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QLast Update : Fri Sep 06 05:10:13 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	81308	19.651	ug/l	99
40) Benzene	5.37	78	272710	21.835	ug/l	100
41) Methacrylonitrile	4.52	41	54868	22.509	ug/l	99
42) 1,2-Dichloroethane	5.38	62	96523	22.260	ug/l	99
43) Isopropyl Acetate	5.53	43	152158	21.314	ug/l	99
44) Trichloroethene	6.17	130	73433	21.248	ug/l	99
45) 1,2-Dichloropropane	6.41	63	80772	22.122	ug/l	98
46) Dibromomethane	6.54	93	51199	22.340	ug/l	99
47) Bromodichloromethane	6.74	83	104173	22.082	ug/l	99
48) Methyl methacrylate	6.60	41	69958	20.632	ug/l	96
49) 1,4-Dioxane	6.59	88	29571	399.391	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	539813	109.240	ug/l	100
52) Toluene	7.62	92	174754	22.305	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	103783	21.222	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	119715	22.304	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	79871	22.451	ug/l	95
56) Ethyl methacrylate	8.00	69	103779	21.096	ug/l	100
57) 1,3-Dichloropropane	8.22	76	127448	22.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	165718	101.219	ug/l	99
59) 2-Hexanone	8.34	43	397626	107.712	ug/l	98
60) Dibromochloromethane	8.45	129	87481	22.926	ug/l	99
61) 1,2-Dibromoethane	8.57	107	78031	22.410	ug/l	99
64) Tetrachloroethene	8.21	164	65466	21.268	ug/l	98
65) Chlorobenzene	9.10	112	198627	22.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	77290	22.498	ug/l	99
67) Ethyl Benzene	9.23	91	319267	21.692	ug/l	100
68) m/p-Xylenes	9.35	106	247370	44.633	ug/l	99
69) o-Xylene	9.76	106	121695	22.452	ug/l	100
70) Styrene	9.77	104	216621	22.795	ug/l	99
71) Bromoform	9.94	173	67525	22.680	ug/l #	100
73) Isopropylbenzene	10.14	105	331012	21.323	ug/l	100
74) N-amyl acetate	9.99	43	128011	20.486	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	135787	21.610	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	116108m	22.299	ug/l	
77) Bromobenzene	10.43	156	94150	21.691	ug/l	99
78) n-propylbenzene	10.57	91	385085	21.479	ug/l	100
79) 2-Chlorotoluene	10.64	91	238783	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	291475	22.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	36068m	23.295	ug/l	
82) 4-Chlorotoluene	10.75	91	276134	21.935	ug/l	100
83) tert-Butylbenzene	11.08	119	280564	21.602	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	294279	22.518	ug/l	99
85) sec-Butylbenzene	11.30	105	338214	22.058	ug/l	99
86) p-Isopropyltoluene	11.45	119	310922	21.970	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	171573	21.662	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	173366	20.985	ug/l	99
89) n-Butylbenzene	11.87	91	256075	20.822	ug/l	99
90) Hexachloroethane	12.12	117	50164	22.155	ug/l	97
91) 1,2-Dichlorobenzene	11.85	146	168352	21.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25358	21.962	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	102854	20.413	ug/l	99
94) Hexachlorobutadiene	13.67	225	59957	22.020	ug/l	98
95) Naphthalene	13.72	128	257087	18.854	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	105591	20.981	ug/l	96

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

