

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034518.D
 Acq On : 12 Sep 2019 14:15
 Operator : JC/SP
 Sample : VU0912WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:37 AM

Quant Time: Sep 13 07:44:25 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	234634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	329342	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	332901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	226561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	184749	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	4.86	113	169099	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	7.54	98	627708	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	10.29	95	232969	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49750	20.274	ug/l	98
3) Chloromethane	1.32	50	58733	22.106	ug/l	99
4) Vinyl Chloride	1.40	62	61547	20.127	ug/l	96
5) Bromomethane	1.62	94	39178	22.942	ug/l	96
6) Chloroethane	1.69	64	40776	22.389	ug/l	97
7) Trichlorofluoromethane	1.88	101	89256	21.769	ug/l	100
8) Diethyl Ether	2.10	74	39132	21.698	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58645	21.596	ug/l	97
10) Methyl Iodide	2.40	142	40435	18.869	ug/l	99
11) Tert butyl alcohol	2.81	59	91457	121.942	ug/l	98
12) 1,1-Dichloroethene	2.27	96	53780	21.067	ug/l	99
13) Acrolein	2.19	56	31750	50.367	ug/l	96
14) Allyl chloride	2.58	41	101304m	20.757	ug/l	
15) Acrylonitrile	2.92	53	212687	113.877	ug/l	97
16) Acetone	2.31	43	200075	108.905	ug/l	99
17) Carbon Disulfide	2.47	76	102787	17.915	ug/l	100
18) Methyl Acetate	2.60	43	95917	21.457	ug/l	96
19) Methyl tert-butyl Ether	2.98	73	209261	22.489	ug/l	100
20) Methylene Chloride	2.69	84	70825	23.324	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	57266	21.287	ug/l	98
22) Diisopropyl ether	3.55	45	220572	23.175	ug/l	94
23) Vinyl Acetate	3.51	43	863871	111.427	ug/l	99
24) 1,1-Dichloroethane	3.43	63	128027	22.524	ug/l	99
25) 2-Butanone	4.24	43	281737	114.884	ug/l	100
26) 2,2-Dichloropropane	4.21	77	105438	23.065	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	73120	22.379	ug/l	99
28) Bromochloromethane	4.52	49	59677	22.827	ug/l #	11
29) Tetrahydrofuran	4.62	42	173612	116.341	ug/l	100
30) Chloroform	4.65	83	130398	22.570	ug/l	99
31) Cyclohexane	4.97	56	83055	19.973	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	103962	22.506	ug/l	99
36) 1,1-Dichloropropene	5.12	75	77819	21.787	ug/l	99
37) Ethyl Acetate	4.36	43	98541	23.335	ug/l	97
38) Carbon Tetrachloride	5.11	117	89907	23.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	79876	20.920	ug/l	97
40) Benzene	5.37	78	266822	23.151	ug/l	99
41) Methacrylonitrile	4.52	41	53569	23.815	ug/l	99
42) 1,2-Dichloroethane	5.38	62	93765	23.433	ug/l	100
43) Isopropyl Acetate	5.53	43	153255	23.264	ug/l	100
44) Trichloroethene	6.17	130	73005	22.891	ug/l	98
45) 1,2-Dichloropropane	6.41	63	77167	22.903	ug/l	95
46) Dibromomethane	6.54	93	50080	23.679	ug/l	99
47) Bromodichloromethane	6.74	83	103021	23.665	ug/l	99
48) Methyl methacrylate	6.60	41	69092	22.082	ug/l	98
49) 1,4-Dioxane	6.59	88	31451	460.318	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	533302	116.951	ug/l	100
52) Toluene	7.62	92	167488	23.166	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	102337	22.677	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	116491	23.519	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	80525	24.529	ug/l	98
56) Ethyl methacrylate	8.00	69	102670	22.395	ug/l	99
57) 1,3-Dichloropropane	8.22	76	124977	23.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	152646	101.065	ug/l	99
59) 2-Hexanone	8.34	43	399028	117.134	ug/l	100
60) Dibromochloromethane	8.46	129	84668	24.045	ug/l	98
61) 1,2-Dibromoethane	8.57	107	75500	23.497	ug/l	98
64) Tetrachloroethene	8.21	164	64782	22.431	ug/l	99
65) Chlorobenzene	9.10	112	192965	22.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	74760	23.194	ug/l	99
67) Ethyl Benzene	9.23	91	306675	22.208	ug/l	96
68) m/p-Xylenes	9.35	106	247001	47.499	ug/l	99
69) o-Xylene	9.76	106	117754	23.155	ug/l	99
70) Styrene	9.77	104	212268	23.807	ug/l	98
71) Bromoform	9.94	173	66595	23.840	ug/l #	100
73) Isopropylbenzene	10.14	105	328427	22.275	ug/l	100
74) N-amyl acetate	9.99	43	126728	21.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	134883	22.601	ug/l	98
76) 1,2,3-Trichloropropane	10.47	75	107235m	21.684	ug/l	
77) Bromobenzene	10.43	156	95170	23.085	ug/l	96
78) n-propylbenzene	10.57	91	378183	22.210	ug/l	99
79) 2-Chlorotoluene	10.64	91	233285	22.453	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	287527	23.317	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	31544m	21.450	ug/l	
82) 4-Chlorotoluene	10.75	91	272885	22.823	ug/l	100
83) tert-Butylbenzene	11.08	119	278313	22.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	287053	23.126	ug/l	99
85) sec-Butylbenzene	11.30	105	331783	22.782	ug/l	100
86) p-Isopropyltoluene	11.45	119	305537	22.731	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	169928	22.588	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	172359	21.966	ug/l	100
89) n-Butylbenzene	11.87	91	254953	21.826	ug/l	99
90) Hexachloroethane	12.12	117	46691	21.712	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	165450	22.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25309	23.078	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	97279	20.341	ug/l	98
94) Hexachlorobutadiene	13.67	225	53236	20.585	ug/l	99
95) Naphthalene	13.72	128	253477	19.421	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	103231	21.519	ug/l	97

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

