

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012084.D
 Acq On : 30 Jul 2019 21:51
 Operator : SY/MD
 Sample : MDL01
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:11 AM

Quant Time: Jul 31 06:31:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 31 05:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	106923	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	52834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25920	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	20241	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	42370	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	74436	53.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.82%
24) Chloroform-d	4.40	84	71316	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.08	65	40639	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.10	84	141267	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.12	67	39155	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	129101	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.67	79	16340	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.14	63	58974	53.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29062	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	54125	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3397	0.287 ug/L	94
3) Chloromethane	1.25	50	1644	0.290 ug/L	83
5) Vinyl chloride	1.32	62	1977	0.320 ug/L #	79
6) Bromomethane	1.54	94	1031	0.269 ug/L	84
8) Chloroethane	1.60	64	1157	0.336 ug/L	91
9) Trichlorofluoromethane	1.77	101	3438	0.286 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1895	0.370 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	1577	0.336 ug/L #	1
13) Acetone	2.23	43	2229m	3.143 ug/L	
14) Carbon disulfide	2.32	76	4069	0.317 ug/L	95
15) Methyl Acetate	2.48	43	680	0.422 ug/L #	45
16) Methylene chloride	2.54	84	2006	0.411 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	4752	0.305 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	2191	0.314 ug/L	89
19) 1,1-Dichloroethane	3.23	63	3880	0.312 ug/L	92
21) 2-Butanone	4.08	43	4738m	3.369 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2077	0.277 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	1021	0.303	ug/L	96
25) Chloroform	4.42	83	10579	0.655	ug/L	96
27) 1,2-Dichloroethane	5.18	62	2813	0.316	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	3725	0.273	ug/L	96
30) Cyclohexane	4.72	56	3109	0.299	ug/L	94
31) Carbon tetrachloride	4.87	117	3266	0.267	ug/L	96
33) Benzene	5.15	78	8075	0.291	ug/L	100
34) Trichloroethene	5.96	95	2170	0.271	ug/L #	82
35) Methylcyclohexane	6.17	83	3272	0.270	ug/L	94
37) 1,2-Dichloropropane	6.22	63	1855	0.289	ug/L #	82
38) Bromodichloromethane	6.56	83	2875	0.305	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	2486	0.249	ug/L	88
40) 4-Methyl-2-pentanone	7.28	43	9238	2.641	ug/L #	86
42) Toluene	7.43	91	8871	0.292	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	2323	0.288	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	1388	0.290	ug/L	93
47) Tetrachloroethene	8.02	164	2125	0.292	ug/L	96
48) 2-Hexanone	8.19	43	8550	3.514	ug/L #	93
49) Dibromochloromethane	8.29	129	1537	0.247	ug/L	82
50) 1,2-Dibromoethane	8.40	107	1167	0.254	ug/L #	98
51) Chlorobenzene	8.92	112	6363	0.309	ug/L	95
52) Ethylbenzene	9.05	91	9565	0.273	ug/L	87
53) m,p-xylene	9.18	106	3496	0.260	ug/L	89
54) o-xylene	9.59	106	3531	0.274	ug/L	92
55) Styrene	9.60	104	5818	0.267	ug/L	92
56) Isopropylbenzene	9.97	105	9374	0.263	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	1544	0.292	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	1064	0.266	ug/L	90
61) Bromoform	9.77	173	1145	0.365	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	5184	0.318	ug/L	91
63) 1,4-Dichlorobenzene	11.32	146	5348	0.322	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	4666	0.317	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.48	75	200	0.253	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	4111	0.308	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	3128	0.290	ug/L	97
69) Naphthalene	13.55	128	3373	0.233	ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	2974	0.310	ug/L	94

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

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