

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012087.D
 Acq On : 30 Jul 2019 23:07
 Operator : SY/MD
 Sample : MDL04
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:27 AM

Quant Time: Jul 31 06:37:36 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	116645	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	112541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25211	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.59	69	19733	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	40798	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.97	46	73623	48.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.84%
24) Chloroform-d	4.40	84	68801	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.08	65	40105	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	135889	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	37127	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	127171	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.67	79	15230	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.14	63	57850	48.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27306	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53325	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3836	0.297 ug/L	99
3) Chloromethane	1.25	50	2002	0.324 ug/L	99
5) Vinyl chloride	1.32	62	1998	0.296 ug/L	82
6) Bromomethane	1.54	94	1244	0.297 ug/L	75
8) Chloroethane	1.60	64	1416	0.377 ug/L #	77
9) Trichlorofluoromethane	1.77	101	3916	0.299 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2111	0.378 ug/L	90
12) 1,1-Dichloroethene	2.14	96	2034	0.397 ug/L #	1
13) Acetone	2.23	43	2257m	2.917 ug/L	
14) Carbon disulfide	2.32	76	4312	0.308 ug/L	95
15) Methyl Acetate	2.47	43	415	0.236 ug/L #	78
16) Methylene chloride	2.53	84	2057	0.387 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	5035	0.296 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	2351	0.308 ug/L	91
19) 1,1-Dichloroethane	3.23	63	4033	0.297 ug/L	98
21) 2-Butanone	4.08	43	5123m	3.339 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2322	0.284 ug/L	92

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

23) Bromochloromethane	4.30	128	1033	0.281	ug/L #	75
25) Chloroform	4.43	83	10968	0.622	ug/L	97
27) 1,2-Dichloroethane	5.19	62	3236	0.334	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	4556	0.312	ug/L #	84
30) Cyclohexane	4.72	56	3255	0.292	ug/L #	65
31) Carbon tetrachloride	4.87	117	3504	0.267	ug/L	92
33) Benzene	5.15	78	9267	0.311	ug/L	100
34) Trichloroethene	5.96	95	2538	0.295	ug/L	94
35) Methylcyclohexane	6.18	83	3797	0.291	ug/L	93
37) 1,2-Dichloropropane	6.22	63	2275	0.330	ug/L #	82
38) Bromodichloromethane	6.56	83	3271	0.323	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	2806	0.261	ug/L	84
40) 4-Methyl-2-pentanone	7.28	43	9766	2.601	ug/L #	84
42) Toluene	7.43	91	10184	0.312	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	2668	0.308	ug/L	87
45) 1,1,2-Trichloroethane	7.88	97	1406	0.273	ug/L	93
47) Tetrachloroethene	8.02	164	2249	0.288	ug/L	91
48) 2-Hexanone	8.19	43	8679	3.323	ug/L	96
49) Dibromochloromethane	8.29	129	2233	0.335	ug/L	88
50) 1,2-Dibromoethane	8.39	107	1464	0.297	ug/L #	90
51) Chlorobenzene	8.93	112	6969	0.315	ug/L	96
52) Ethylbenzene	9.05	91	10551	0.281	ug/L	98
53) m,p-xylene	9.18	106	3975	0.276	ug/L	100
54) o-xylene	9.59	106	3586	0.260	ug/L	90
55) Styrene	9.60	104	6553	0.280	ug/L	99
56) Isopropylbenzene	9.97	105	10266	0.268	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	1819	0.320	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	1132	0.264	ug/L #	80
61) Bromoform	9.77	173	1095	0.321	ug/L #	48
62) 1,3-Dichlorobenzene	11.23	146	5429	0.307	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	5824	0.322	ug/L #	84
65) 1,2-Dichlorobenzene	11.69	146	5444	0.340	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.48	75	164	0.191	ug/L #	64
67) 1,3,5-Trichlorobenzene	12.69	180	4613	0.318	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3430	0.293	ug/L	97
69) Naphthalene	13.55	128	4592	0.292	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	2937	0.282	ug/L	92

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

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