

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017609.D
 Acq On : 23 Jul 2020 17:50
 Operator : SY/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 7/24/2020 7:04:54 PM

Quant Time: Jul 24 11:51:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	183229	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173642	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40545	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	31571	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	68906	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.94	46	100790	48.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.38	84	102528	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.06	65	53509	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.07	84	182936	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.09	67	51999	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.34	98	171490	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
45) trans-1,3-Dichloropropene-	7.64	79	21047	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.11	63	65400	43.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35132	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68418	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5258	0.262 ug/L	97
3) Chloromethane	1.25	50	3597	0.275 ug/L	94
5) Vinyl chloride	1.32	62	4090	0.312 ug/L #	73
6) Bromomethane	1.53	94	2520	0.300 ug/L	90
8) Chloroethane	1.60	64	2570	0.340 ug/L	99
9) Trichlorofluoromethane	1.76	101	6592	0.282 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3923	0.359 ug/L	87
12) 1,1-Dichloroethene	2.13	96	3557	0.361 ug/L #	1
13) Acetone	2.23	43	6345m	3.872 ug/L	
14) Carbon disulfide	2.31	76	9524	0.318 ug/L	95
15) Methyl Acetate	2.47	43	789m	0.247 ug/L	
16) Methylene chloride	2.52	84	4823	0.439 ug/L	95
17) Methyl tert-butyl Ether	2.79	73	7859	0.311 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	3268	0.304 ug/L	96
19) 1,1-Dichloroethane	3.21	63	6917	0.306 ug/L	96
21) 2-Butanone	4.04	43	8114m	2.933 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	4012	0.296 ug/L	84

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

23) Bromochloromethane	4.28	128	1899	0.304	ug/L #	92
25) Chloroform	4.41	83	8493	0.335	ug/L	97
27) 1,2-Dichloroethane	5.16	62	4539	0.276	ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	7048	0.290	ug/L	97
30) Cyclohexane	4.70	56	5285	0.275	ug/L	97
31) Carbon tetrachloride	4.85	117	5943	0.275	ug/L	99
33) Benzene	5.13	78	14428	0.294	ug/L	100
34) Trichloroethene	5.94	95	4278	0.312	ug/L	82
35) Methylcyclohexane	6.15	83	5496	0.265	ug/L	98
37) 1,2-Dichloropropane	6.20	63	3422	0.296	ug/L #	93
38) Bromodichloromethane	6.54	83	5381	0.317	ug/L #	87
39) cis-1,3-Dichloropropene	7.05	75	5052	0.290	ug/L	91
40) 4-Methyl-2-pentanone	7.26	43	15726	2.483	ug/L #	87
42) Toluene	7.41	91	15122	0.282	ug/L	90
43) 1,3,5-Trimethylbenzene	10.56	105	10636	0.212	ug/L	87
44) 1,2,4-Trimethylbenzene	10.94	105	12168	0.238	ug/L	94
46) trans-1,3-Dichloropropene	7.68	75	4717m	0.302	ug/L	
47) 1,1,2-Trichloroethane	7.86	97	2660	0.304	ug/L	91
49) Tetrachloroethene	8.00	164	3506	0.290	ug/L	95
50) 2-Hexanone	8.17	43	16249	3.626	ug/L	94
51) Dibromochloromethane	8.27	129	3034	0.272	ug/L	95
52) 1,2-Dibromoethane	8.38	107	2399	0.290	ug/L #	97
53) Chlorobenzene	8.90	112	10970	0.307	ug/L	91
54) Ethylbenzene	9.04	91	16421	0.274	ug/L	95
55) m,p-xylene	9.16	106	5906	0.261	ug/L	96
56) o-xylene	9.57	106	5716	0.261	ug/L	96
57) Styrene	9.59	104	9143	0.250	ug/L	94
58) Isopropylbenzene	9.95	105	15104	0.250	ug/L	93
60) 1,1,2,2-Tetrachloroethane	10.26	83	2869	0.301	ug/L #	78
62) Bromoform	9.76	173	1713	0.306	ug/L #	78
63) 1,3-Dichlorobenzene	11.21	146	8824	0.314	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	9502	0.337	ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	8753	0.342	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.46	75	626m	0.391	ug/L	
68) 1,3,5-Trichlorobenzene	12.67	180	6937	0.304	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	6513	0.341	ug/L	96
70) Naphthalene	13.53	128	6506	0.244	ug/L #	94
71) 1,2,3-Trichlorobenzene	13.77	180	4655	0.275	ug/L #	95

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

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