

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015940.D
 Acq On : 07 May 2020 15:10
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

apatel
 5/8/2020 12:58:08 PM

Quant Time: May 08 05:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 05:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148005	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38977	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	37004	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	63783	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.98	46	112958	48.20	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.40%
24) Chloroform-d	4.38	84	84785	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	51928	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.08	84	174859	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	56091	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.34	98	156157	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.64	79	19566	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
48) 2-Hexanone-d5	8.12	63	89256	48.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.32%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38480	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	58185	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2928	0.252 ug/L	98
3) Chloromethane	1.25	50	3272	0.279 ug/L	95
5) Vinyl chloride	1.32	62	3157	0.281 ug/L #	70
6) Bromomethane	1.53	94	1823	0.286 ug/L	87
8) Chloroethane	1.60	64	1747m	0.218 ug/L	
9) Trichlorofluoromethane	1.76	101	3632	0.236 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2916	0.335 ug/L #	86
12) 1,1-Dichloroethene	2.13	96	2472	0.297 ug/L #	1
13) Acetone	2.26	43	2487m	1.609 ug/L	
14) Carbon disulfide	2.31	76	6815	0.248 ug/L	96
15) Methyl Acetate	2.49	43	959m	0.268 ug/L	
16) Methylene chloride	2.53	84	2795	0.280 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	5522	0.255 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	2383	0.259 ug/L	86
19) 1,1-Dichloroethane	3.22	63	4155	0.234 ug/L	91
21) 2-Butanone	4.06	43	4016m	1.706 ug/L	
22) cis-1,2-Dichloroethene	3.95	96	2332	0.242 ug/L	90

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

23) Bromochloromethane	4.28	128	947m	0.230	ug/L	
25) Chloroform	4.41	83	11829	0.606	ug/L	100
27) 1,2-Dichloroethane	5.17	62	3073	0.256	ug/L #	76
29) 1,1,1-Trichloroethane	4.64	97	4032	0.247	ug/L	93
30) Cyclohexane	4.70	56	4054	0.248	ug/L #	86
31) Carbon tetrachloride	4.86	117	3365	0.239	ug/L	89
33) Benzene	5.13	78	9431	0.253	ug/L	100
34) Trichloroethene	5.95	95	2707	0.255	ug/L	95
35) Methylcyclohexane	6.15	83	4093	0.255	ug/L	98
37) 1,2-Dichloropropane	6.20	63	2486	0.263	ug/L #	87
38) Bromodichloromethane	6.54	83	2799	0.233	ug/L #	93
39) cis-1,3-Dichloropropene	7.05	75	2936	0.220	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	13077	2.218	ug/L #	89
42) Toluene	7.41	91	9581	0.243	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	7254	0.200	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	7212	0.199	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2686m	0.238	ug/L	
47) 1,1,2-Trichloroethane	7.87	97	1542	0.244	ug/L	92
49) Tetrachloroethene	8.00	164	1950	0.263	ug/L	95
50) 2-Hexanone	8.17	43	15325	3.675	ug/L	97
51) Dibromochloromethane	8.27	129	1667	0.235	ug/L	86
52) 1,2-Dibromoethane	8.38	107	1374	0.235	ug/L #	95
53) Chlorobenzene	8.90	112	6145	0.242	ug/L	98
54) Ethylbenzene	9.04	91	10484	0.234	ug/L	99
55) m,p-xylene	9.16	106	3567	0.215	ug/L	94
56) o-xylene	9.57	106	3539	0.223	ug/L	96
57) Styrene	9.59	104	5560	0.209	ug/L	97
58) Isopropylbenzene	9.95	105	9614	0.220	ug/L	96
60) 1,1,2,2-Tetrachloroethane	10.26	83	2161	0.320	ug/L #	90
62) Bromoform	9.76	173	728	0.229	ug/L #	92
63) 1,3-Dichlorobenzene	11.21	146	4959	0.266	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	5074	0.271	ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	4713	0.279	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	3428	0.251	ug/L	93
69) 1,2,4-trichlorobenzene	13.28	180	2938	0.251	ug/L	92
70) Naphthalene	13.53	128	4852	0.260	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	2585	0.250	ug/L	94

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

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