

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017456.D
 Acq On : 21 Jul 2020 15:34
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:10:59 AM

Quant Time: Jul 22 06:43:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 06:14:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	371932	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	359312	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	169396	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125328	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.69	69	89585	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.34	63	185401	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.53	46	261956	48.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.94%
24) Chloroform-d	5.14	84	227524	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	6.03	65	124769	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	6.05	84	434215	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	7.37	67	131982	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	8.70	98	394715	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	8.99	79	55672	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
48) 2-Hexanone-d5	9.43	63	194910	48.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.66%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	92546	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	146819	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10570	0.258 ug/L	93
3) Chloromethane	1.31	50	10697	0.281 ug/L	96
5) Vinyl chloride	1.39	62	8688m	0.239 ug/L	
6) Bromomethane	1.64	94	5147	0.261 ug/L	79
8) Chloroethane	1.71	64	4916	0.247 ug/L	94
9) Trichlorofluoromethane	1.92	101	12939	0.248 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	8511	0.301 ug/L #	80
12) 1,1-Dichloroethene	2.36	96	6710	0.255 ug/L #	1
13) Acetone	2.42	43	11234	2.576 ug/L	90
14) Carbon disulfide	2.55	76	20756	0.232 ug/L	96
15) Methyl Acetate	2.74	43	3595	0.283 ug/L #	58
16) Methylene chloride	2.83	84	14629	0.405 ug/L	85
17) Methyl tert-butyl Ether	3.17	73	13697	0.219 ug/L	96
18) trans-1,2-Dichloroethene	3.14	96	7224	0.258 ug/L	83
19) 1,1-Dichloroethane	3.67	63	10275	0.208 ug/L #	93
21) 2-Butanone	4.64	43	17271	2.486 ug/L	86
22) cis-1,2-Dichloroethene	4.57	96	7670	0.277 ug/L #	86

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

23) Bromochloromethane	4.98	128	4021	0.301	ug/L #	85
25) Chloroform	5.18	83	15894	0.307	ug/L	87
27) 1,2-Dichloroethane	6.17	62	7595	0.228	ug/L	96
29) 1,1,1-Trichloroethane	5.47	97	10957	0.227	ug/L	96
30) Cyclohexane	5.54	56	10161	0.260	ug/L #	25
31) Carbon tetrachloride	5.76	117	10225	0.235	ug/L	92
33) Benzene	6.12	78	25497	0.241	ug/L	100
34) Trichloroethene	7.18	95	7463	0.261	ug/L	88
35) Methylcyclohexane	7.44	83	9533	0.247	ug/L	94
37) 1,2-Dichloropropane	7.49	63	7415	0.279	ug/L	98
38) Bromodichloromethane	7.88	83	8404	0.236	ug/L #	97
39) cis-1,3-Dichloropropene	8.42	75	9380	0.244	ug/L	88
40) 4-Methyl-2-pentanone	8.62	43	32596	2.095	ug/L #	95
42) Toluene	8.76	91	24605	0.232	ug/L	89
43) 1,3,5-Trimethylbenzene	11.49	105	18204	0.184	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	16861	0.172	ug/L	98
46) trans-1,3-Dichloropropene	9.02	75	8010m	0.242	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	4377	0.240	ug/L	92
49) Tetrachloroethene	9.32	164	6337	0.273	ug/L	86
50) 2-Hexanone	9.47	43	26214	2.308	ug/L #	86
51) Dibromochloromethane	9.56	129	5710	0.228	ug/L	88
52) 1,2-Dibromoethane	9.65	107	4016	0.223	ug/L #	86
53) Chlorobenzene	10.12	112	17516	0.243	ug/L	97
54) Ethylbenzene	10.23	91	24397	0.212	ug/L	92
55) m,p-xylene	10.34	106	9088	0.198	ug/L	95
56) o-xylene	10.68	106	9104	0.204	ug/L	81
57) Styrene	10.70	104	14308	0.193	ug/L	92
58) Isopropylbenzene	11.00	105	23876	0.207	ug/L	96
60) 1,1,2,2-Tetrachloroethane	11.26	83	4981	0.230	ug/L #	91
62) Bromoform	10.84	173	2940	0.217	ug/L #	86
63) 1,3-Dichlorobenzene	12.01	146	12819	0.235	ug/L	92
64) 1,4-Dichlorobenzene	12.08	146	12768	0.238	ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	12533	0.248	ug/L	88
67) 1,2-Dibromo-3-chloropropan	12.98	75	1455	0.327	ug/L #	73
68) 1,3,5-Trichlorobenzene	13.15	180	11360	0.247	ug/L	99
69) 1,2,4-trichlorobenzene	13.63	180	8001	0.238	ug/L	96
70) Naphthalene	13.82	128	11034	0.187	ug/L #	90
71) 1,2,3-Trichlorobenzene	14.01	180	6723	0.217	ug/L	94

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

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