

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092220\
 Data File : VX018538.D
 Acq On : 23 Sep 2020 14:33
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:14:18 PM

Quant Time: Sep 24 01:15:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 24 00:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	264189	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	257515	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	115767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	73087	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.70	69	58233	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.34	63	131627	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.56	46	187507	55.44	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.88%
24) Chloroform-d	5.14	84	160471	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	6.03	65	88823	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	6.05	84	304215	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	7.37	67	90387	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	8.70	98	272683	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.99	79	36525	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	9.43	63	143076	51.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.14%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	67613	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
66) 1,2-Dichlorobenzene-d4	12.36	152	99832	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4182	0.271 ug/L	90
3) Chloromethane	1.31	50	4142	0.315 ug/L	96
5) Vinyl chloride	1.39	62	3592m	0.264 ug/L	
6) Bromomethane	1.64	94	3305	0.401 ug/L	95
8) Chloroethane	1.72	64	2420m	0.317 ug/L	
9) Trichlorofluoromethane	1.92	101	6322	0.280 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4744	0.368 ug/L	86
12) 1,1-Dichloroethene	2.35	96	4247	0.355 ug/L #	1
13) Acetone	2.46	43	4971m	2.627 ug/L	
14) Carbon disulfide	2.55	76	10624	0.279 ug/L	97
15) Methyl Acetate	2.76	43	1815	0.384 ug/L #	65
16) Methylene chloride	2.84	84	8656	0.537 ug/L	72
17) Methyl tert-butyl Ether	3.16	73	7369	0.273 ug/L #	82
18) trans-1,2-Dichloroethene	3.14	96	3251	0.262 ug/L #	63
19) 1,1-Dichloroethane	3.67	63	5595	0.253 ug/L #	94
21) 2-Butanone	4.67	43	7295	2.623 ug/L	97
22) cis-1,2-Dichloroethene	4.57	96	4003	0.313 ug/L	86

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

23) Bromochloromethane	5.01	128	1995m	0.317	ug/L	
25) Chloroform	5.18	83	8601m	0.356	ug/L	
27) 1,2-Dichloroethane	6.17	62	5352m	0.348	ug/L	
29) 1,1,1-Trichloroethane	5.46	97	6194	0.267	ug/L #	90
30) Cyclohexane	5.56	56	5496	0.288	ug/L	94
31) Carbon tetrachloride	5.76	117	5091	0.246	ug/L	93
33) Benzene	6.11	78	11924	0.252	ug/L	100
34) Trichloroethene	7.18	95	4470	0.334	ug/L #	55
35) Methylcyclohexane	7.45	83	5627	0.298	ug/L	98
37) 1,2-Dichloropropane	7.49	63	3716	0.305	ug/L #	94
38) Bromodichloromethane	7.87	83	4171	0.246	ug/L #	54
39) cis-1,3-Dichloropropene	8.42	75	4294m	0.240	ug/L	
40) 4-Methyl-2-pentanone	8.62	43	17955	2.655	ug/L #	86
42) Toluene	8.77	91	13469	0.266	ug/L	83
44) trans-1,3-Dichloropropene	9.02	75	3901	0.241	ug/L	97
45) 1,1,2-Trichloroethane	9.19	97	2311	0.264	ug/L #	82
47) Tetrachloroethene	9.32	164	3173	0.285	ug/L #	80
48) 2-Hexanone	9.48	43	15610	3.158	ug/L	96
49) Dibromochloromethane	9.57	129	3264	0.282	ug/L	83
50) 1,2-Dibromoethane	9.65	107	2291	0.275	ug/L #	99
51) Chlorobenzene	10.12	112	9256	0.276	ug/L #	86
52) Ethylbenzene	10.24	91	12557	0.230	ug/L	93
53) m,p-xylene	10.34	106	4578	0.219	ug/L	79
54) o-xylene	10.68	106	4157	0.214	ug/L	100
55) Styrene	10.70	104	6797m	0.205	ug/L	
57) 1,1,2,2-Tetrachloroethane	11.25	83	3305	0.332	ug/L #	89
59) Bromoform	10.85	173	1682	0.271	ug/L #	84
60) Isopropylbenzene	11.00	105	12331	0.261	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	2293	0.325	ug/L #	73
62) 1,3,5-Trimethylbenzene	11.49	105	9356	0.244	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	8277	0.213	ug/L	97
64) 1,3-Dichlorobenzene	12.01	146	6434	0.267	ug/L	91
65) 1,4-Dichlorobenzene	12.08	146	6826	0.278	ug/L	95
67) 1,2-Dichlorobenzene	12.37	146	6082	0.270	ug/L #	82
68) 1,2-Dibromo-3-chloropropan	12.98	75	757	0.390	ug/L #	56
69) 1,3,5-Trichlorobenzene	13.16	180	5120	0.289	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	3820	0.260	ug/L	95
71) Naphthalene	13.82	128	5466	0.224	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.00	180	3636	0.273	ug/L #	81

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

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