

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102921\
 Data File : VX025024.D
 Acq On : 29 Oct 2021 17:29
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/2/2021 2:32:49 PM

Quant Time: Oct 30 01:52:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 01:06:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	157993	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	143404	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	64700	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	35147	34.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.800%
7) Chloroethane-d5	1.666	69	28025	40.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.420%
11) 1,1-Dichloroethene-d2	2.306	63	71789	28.927	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.860%#
21) 2-Butanone-d5	4.465	46	94756	94.195	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.200%
24) Chloroform-d	5.062	84	115912	43.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.980%
26) 1,2-Dichloroethane-d4	5.964	65	85247	44.113	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.220%
32) Benzene-d6	5.983	84	178422	43.835	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.660%
36) 1,2-Dichloropropane-d6	7.312	67	64137	46.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.480%
41) Toluene-d8	8.653	98	161007	41.346	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
43) trans-1,3-Dichloroprop...	8.952	79	34962	43.859	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
47) 2-Hexanone-d5	9.391	63	68759	97.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.360%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	91258	48.652	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.300%
66) 1,2-Dichlorobenzene-d4	12.323	152	59599	47.471	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3470	2.340	ug/L	99
3) Chloromethane	1.288	50	1898	1.841	ug/L	94
5) Vinyl chloride	1.374	62	2439	2.102	ug/L	# 70
6) Bromomethane	1.611	94	1611	2.158	ug/L	87
8) Chloroethane	1.685	64	1650	2.815	ug/L	83
9) Trichlorofluoromethane	1.886	101	5345	2.075	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3311	2.834	ug/L	88
12) 1,1-Dichloroethene	2.313	96	2666	2.713	ug/L	# 1
13) Acetone	2.392	43	3662	3.830	ug/L	92
14) Carbon disulfide	2.520	76	5500	2.065	ug/L	# 93
15) Methyl Acetate	2.709	43	3033	2.194	ug/L	# 82
16) Methylene chloride	2.788	84	3082	2.770	ug/L	# 75
17) trans-1,2-Dichloroethene	3.099	96	2165	2.151	ug/L	94
18) Methyl tert-butyl Ether	3.123	73	9513	2.289	ug/L	# 90
19) 1,1-Dichloroethane	3.611	63	5753	2.460	ug/L	# 88
20) cis-1,2-Dichloroethene	4.489	96	2862m	2.518	ug/L	
22) 2-Butanone	4.562	43	5182m	4.403	ug/L	
23) Bromochloromethane	4.916	128	1335	2.351	ug/L	# 75
25) Chloroform	5.105	83	6852m	2.633	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.105	62	5240m	2.278	ug/L	
29) Cyclohexane	5.471	56	3944m	2.029	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	5659m	2.281	ug/L	
31) Carbon tetrachloride	5.678	117	4785m	2.277	ug/L	
33) Benzene	6.044	78	9999	2.252	ug/L	100
34) Trichloroethene	7.123	95	2893m	2.160	ug/L	
35) Methylcyclohexane	7.385	83	4245	2.196	ug/L #	85
37) 1,2-Dichloropropane	7.434	63	2742	2.171	ug/L #	92
38) Bromodichloromethane	7.824	83	3885	2.013	ug/L #	92
39) cis-1,3-Dichloropropene	8.372	75	4466m	2.176	ug/L	
40) 4-Methyl-2-pentanone	8.580	43	7961	4.058	ug/L #	86
42) Toluene	8.726	91	12659	2.606	ug/L	92
44) trans-1,3-Dichloropropene	8.982	75	4623	2.187	ug/L	83
45) 1,1,2-Trichloroethane	9.147	97	2854	2.414	ug/L #	66
46) Tetrachloroethene	9.281	164	1579	1.889	ug/L #	58
48) 2-Hexanone	9.433	43	7072	4.362	ug/L #	83
49) Dibromochloromethane	9.525	129	3132	2.353	ug/L	83
50) 1,2-Dibromoethane	9.610	107	2894	2.218	ug/L #	92
51) Chlorobenzene	10.086	112	6223	2.142	ug/L #	66
52) Ethylbenzene	10.195	91	12048	2.149	ug/L	98
53) m,p-Xylene	10.305	106	4225	2.191	ug/L	81
54) o-Xylene	10.646	106	4046	2.146	ug/L	85
55) Styrene	10.659	104	6376	2.000	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	5138	2.700	ug/L #	96
59) Bromoform	10.805	173	1873	2.350	ug/L #	97
60) Isopropylbenzene	10.970	105	11317	2.295	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	3720	2.360	ug/L	91
62) 1,3,5-Trimethylbenzene	11.457	105	8965	2.099	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	9325	2.178	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	4235	2.207	ug/L	87
65) 1,4-Dichlorobenzene	12.042	146	5155	2.597	ug/L	93
67) 1,2-Dichlorobenzene	12.341	146	4912	2.506	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.951	75	1313	2.555	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.115	180	3000m	2.176	ug/L	
70) 1,2,4-trichlorobenzene	13.597	180	2538	2.172	ug/L	90
71) Naphthalene	13.780	128	6376	1.578	ug/L	96
72) 1,2,3-Trichlorobenzene	13.963	180	2386	1.986	ug/L	94

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

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