

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX025008.D
 Acq On : 28 Oct 2021 15:53
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda

11/1/2021 12:58:58 PM

Quant Time: Oct 29 07:16:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 12:38:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	150634	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.061	117	136001	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	61580	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	50699	52.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 105.600%	
7) Chloroethane-d5	1.672	69	36440	55.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 111.040%	
11) 1,1-Dichloroethene-d2	2.306	63	93366	39.460	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 78.920%	
21) 2-Butanone-d5	4.470	46	107975	112.580	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 112.580%	
24) Chloroform-d	5.068	84	127337	50.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.360%	
26) 1,2-Dichloroethane-d4	5.958	65	98027	53.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.400%	
32) Benzene-d6	5.982	84	199189	51.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.200%	
36) 1,2-Dichloropropane-d6	7.317	67	70581	53.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 107.300%	
41) Toluene-d8	8.652	98	190233	51.511	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 103.020%	
43) trans-1,3-Dichloroprop...	8.951	79	38399	50.792	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.580%	
47) 2-Hexanone-d5	9.390	63	73059	109.078	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 109.080%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	94398	53.065	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.140%	
66) 1,2-Dichlorobenzene-d4	12.323	152	61798	51.717	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 103.440%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3322	2.350	ug/L	96
3) Chloromethane	1.288	50	2553	2.597	ug/L	81
5) Vinyl chloride	1.373	62	3033	2.742	ug/L	# 76
6) Bromomethane	1.617	94	2108	2.962	ug/L	97
8) Chloroethane	1.690	64	2096m	3.750	ug/L	
9) Trichlorofluoromethane	1.892	101	6709	2.732	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	3474	3.119	ug/L	# 72
12) 1,1-Dichloroethene	2.318	96	2991	3.192	ug/L	# 1
13) Acetone	2.398	43	4585	5.029	ug/L	67
14) Carbon disulfide	2.519	76	6526	2.570	ug/L	98
15) Methyl Acetate	2.708	43	4114	3.121	ug/L	# 74
16) Methylene chloride	2.794	84	3311	3.121	ug/L	# 63
17) trans-1,2-Dichloroethene	3.093	96	2756	2.873	ug/L	# 76
18) Methyl tert-butyl Ether	3.123	73	9654	2.437	ug/L	# 87
19) 1,1-Dichloroethane	3.617	63	5724	2.568	ug/L	86
20) cis-1,2-Dichloroethene	4.483	96	3062m	2.825	ug/L	
22) 2-Butanone	4.592	43	6004m	5.350	ug/L	
23) Bromochloromethane	4.903	128	1567m	2.894	ug/L	
25) Chloroform	5.110	83	7598m	3.062	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	6172m	2.814	ug/L	
29) Cyclohexane	5.476	56	4889	2.651	ug/L #	68
30) 1,1,1-Trichloroethane	5.385	97	6397m	2.719	ug/L	
31) Carbon tetrachloride	5.677	117	4746	2.382	ug/L	91
33) Benzene	6.043	78	10472	2.487	ug/L	100
34) Trichloroethene	7.134	95	3327	2.619	ug/L #	75
35) Methylcyclohexane	7.378	83	4281	2.335	ug/L #	79
37) 1,2-Dichloropropane	7.439	63	3122m	2.606	ug/L	
38) Bromodichloromethane	7.829	83	4481	2.448	ug/L	100
39) cis-1,3-Dichloropropene	8.372	75	4961	2.548	ug/L	96
40) 4-Methyl-2-pentanone	8.579	43	9514	5.114	ug/L #	81
42) Toluene	8.720	91	14198	3.081	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	5012m	2.500	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	2847	2.539	ug/L	96
46) Tetrachloroethene	9.280	164	2002	2.525	ug/L	86
48) 2-Hexanone	9.433	43	9415	6.123	ug/L #	79
49) Dibromochloromethane	9.524	129	3040	2.408	ug/L #	62
50) 1,2-Dibromoethane	9.616	107	3327	2.689	ug/L #	99
51) Chlorobenzene	10.085	112	6936	2.517	ug/L #	86
52) Ethylbenzene	10.195	91	13645	2.566	ug/L	100
53) m,p-Xylene	10.305	106	4644	2.539	ug/L	81
54) o-Xylene	10.646	106	4213	2.356	ug/L	98
55) Styrene	10.664	104	6982	2.309	ug/L	86
57) 1,1,2,2-Tetrachloroethane	11.213	83	4939	2.737	ug/L #	90
59) Bromoform	10.805	173	1839	2.424	ug/L #	86
60) Isopropylbenzene	10.963	105	12191	2.597	ug/L	97
61) 1,2,3-Trichloropropane	11.243	75	3985	2.657	ug/L	92
62) 1,3,5-Trimethylbenzene	11.457	105	9522	2.342	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	9969	2.446	ug/L	97
64) 1,3-Dichlorobenzene	11.975	146	4784	2.619	ug/L	91
65) 1,4-Dichlorobenzene	12.042	146	4885	2.586	ug/L	90
67) 1,2-Dichlorobenzene	12.341	146	5315	2.848	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	12.944	75	1184	2.421	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.115	180	3127	2.384	ug/L	97
70) 1,2,4-trichlorobenzene	13.597	180	2426	2.182	ug/L	88
71) Naphthalene	13.780	128	6451	1.677	ug/L	99
72) 1,2,3-Trichlorobenzene	13.969	180	2254m	1.971	ug/L	

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

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