

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030124\
 Data File : VW034491.D
 Acq On : 01 Mar 2024 11:01
 Operator : SY/MD
 Sample : P1601-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Mar 01 22:29:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 01 22:18:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/05/2024
 Supervised By :Semsettin Yesilyurt 03/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	317634	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	290735	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	139835	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112833	40.977	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.960%		
7) Chloroethane-d5	1.532	69	90918	42.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.760%		
11) 1,1-Dichloroethene-d2	2.060	65	50377	40.454	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.900%		
21) 2-Butanone-d5	3.789	46	178079	96.708	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.710%		
24) Chloroform-d	4.246	84	211552	43.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.900%		
26) 1,2-Dichloroethane-d4	4.941	65	144003	45.263	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.520%		
32) Benzene-d6	4.960	84	402718	45.897	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.800%		
36) 1,2-Dichloropropane-d6	5.986	67	127471	47.603	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.200%		
41) Toluene-d8	7.243	98	354307	44.620	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.240%		
43) trans-1,3-Dichloroprop...	7.551	79	57565	42.809	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.620%		
47) 2-Hexanone-d5	8.024	63	133073	99.518	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.520%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	163717	46.459	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.920%		
66) 1,2-Dichlorobenzene-d4	11.558	152	136683	47.820	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	7535	2.262	ug/L	96
3) Chloromethane	1.217	50	8628	2.635	ug/L	99
5) Vinyl chloride	1.285	62	7677	2.416	ug/L #	78
6) Bromomethane	1.487	94	5408	2.836	ug/L	94
8) Chloroethane	1.548	64	4751	2.515	ug/L	93
9) Trichlorofluoromethane	1.712	101	11315	2.378	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	7448	2.904	ug/L #	83
12) 1,1-Dichloroethene	2.069	96	6876	2.891	ug/L #	1
13) Acetone	2.127	43	11746	5.306	ug/L	94
14) Carbon disulfide	2.240	76	15643	2.370	ug/L	95
15) Methyl Acetate	2.384	43	7344	2.593	ug/L	99
16) Methylene chloride	2.449	84	7206	2.856	ug/L	93
17) trans-1,2-Dichloroethene	2.699	96	5052	2.195	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	19641	2.376	ug/L	97
19) 1,1-Dichloroethane	3.114	63	10903	2.418	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	5921	2.371	ug/L	93
22) 2-Butanone	3.918	43	11614m	5.313	ug/L	
23) Bromochloromethane	4.166	128	3248	2.515	ug/L	96
27) 1,2-Dichloroethane	5.053	62	9628m	2.535	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.580	56	9208	2.408	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	9749	2.338	ug/L #	89
31) Carbon tetrachloride	4.741	117	8713	2.361	ug/L	99
33) Benzene	5.015	78	20928	2.319	ug/L	100
34) Trichloroethene	5.844	95	6473	2.523	ug/L	95
35) Methylcyclohexane	6.053	83	9682	2.483	ug/L	95
37) 1,2-Dichloropropane	6.101	63	6267m	2.652	ug/L	
38) Bromodichloromethane	6.442	83	7778	2.340	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	9383m	2.451	ug/L	
40) 4-Methyl-2-pentanone	7.166	43	15978	4.586	ug/L	96
42) Toluene	7.323	91	24193	2.533	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	8421m	2.287	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	5628	2.469	ug/L	95
46) Tetrachloroethene	7.908	164	4789	2.510	ug/L	92
48) 2-Hexanone	8.088	43	18239m	6.570	ug/L	
49) Dibromochloromethane	8.178	129	5707	2.372	ug/L	88
50) 1,2-Dibromoethane	8.291	107	5722	2.365	ug/L	91
51) Chlorobenzene	8.815	112	15352	2.486	ug/L	96
52) Ethylbenzene	8.950	91	25969	2.427	ug/L	96
53) m,p-Xylene	9.075	106	9036	2.225	ug/L	92
54) o-Xylene	9.481	106	9467	2.381	ug/L	93
55) Styrene	9.506	104	13732	2.039	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.175	83	9425	2.753	ug/L #	97
59) Bromoform	9.667	173	3471	2.239	ug/L #	95
60) Isopropylbenzene	9.870	105	25437	2.572	ug/L	96
61) 1,2,3-Trichloropropane	10.210	75	7459	2.794	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	19958	2.392	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	19245	2.332	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	11005	2.407	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	11818	2.545	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	12199	2.662	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	1689	2.124	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	7641	2.227	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	6700	2.171	ug/L	97
71) Naphthalene	13.445	128	16390	1.985	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	6888	2.287	ug/L	98

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

