

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022924\
 Data File : VW034477.D
 Acq On : 29 Feb 2024 13:22
 Operator : SY/MD
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Mar 01 04:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 01 01:27:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
 Supervised By :Semsettin Yesilyurt 03/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	296735	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	270873	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	135734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	121603	47.273	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.540%		
7) Chloroethane-d5	1.529	69	96433	48.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.240%		
11) 1,1-Dichloroethene-d2	2.056	65	53520	46.005	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.000%		
21) 2-Butanone-d5	3.786	46	175051	101.759	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.760%		
24) Chloroform-d	4.249	84	211105	46.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.820%		
26) 1,2-Dichloroethane-d4	4.941	65	145191	48.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.700%		
32) Benzene-d6	4.957	84	409552	50.098	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.200%		
36) 1,2-Dichloropropane-d6	5.986	67	127056	50.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.860%		
41) Toluene-d8	7.243	98	365482	49.403	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.800%		
43) trans-1,3-Dichloroprop...	7.555	79	59528	47.514	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.020%		
47) 2-Hexanone-d5	8.024	63	131706	105.718	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.720%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	164342	50.056	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.120%		
66) 1,2-Dichlorobenzene-d4	11.561	152	138273	49.838	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	6205	1.994	ug/L	95
3) Chloromethane	1.214	50	6609	2.161	ug/L	96
5) Vinyl chloride	1.282	62	6253	2.106	ug/L #	77
6) Bromomethane	1.487	94	4216	2.367	ug/L	97
8) Chloroethane	1.545	64	3560	2.017	ug/L	96
9) Trichlorofluoromethane	1.712	101	9020	2.029	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5866	2.448	ug/L	84
12) 1,1-Dichloroethene	2.066	96	5479	2.466	ug/L #	1
13) Acetone	2.121	43	8131	3.932	ug/L	99
14) Carbon disulfide	2.240	76	11802	1.914	ug/L	97
15) Methyl Acetate	2.384	43	5346	2.021	ug/L #	78
17) trans-1,2-Dichloroethene	2.700	96	4276	1.988	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	14245	1.844	ug/L	99
19) 1,1-Dichloroethane	3.114	63	7737	1.837	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	4413	1.891	ug/L	90
22) 2-Butanone	3.915	43	8377m	4.102	ug/L	
23) Bromochloromethane	4.159	128	2296	1.903	ug/L #	80
27) 1,2-Dichloroethane	5.056	62	7473m	2.106	ug/L	
29) Cyclohexane	4.580	56	6654	1.868	ug/L #	85

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30) 1,1,1-Trichloroethane	4.519	97	7489	1.928	ug/L	97
31) Carbon tetrachloride	4.738	117	6766	1.967	ug/L	98
33) Benzene	5.015	78	18154m	2.159	ug/L	
34) Trichloroethene	5.841	95	4565	1.910	ug/L	92
35) Methylcyclohexane	6.050	83	7241	1.993	ug/L	97
37) 1,2-Dichloropropane	6.108	63	4945m	2.246	ug/L	
38) Bromodichloromethane	6.442	83	6363	2.055	ug/L #	92
39) cis-1,3-Dichloropropene	6.969	75	7504m	2.104	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	11907	3.668	ug/L #	94
42) Toluene	7.323	91	17042	1.915	ug/L	96
44) trans-1,3-Dichloropropene	7.593	75	6571	1.916	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	4030	1.897	ug/L	93
46) Tetrachloroethene	7.908	164	3370	1.896	ug/L	93
48) 2-Hexanone	8.092	43	14149m	5.470	ug/L	
49) Dibromochloromethane	8.178	129	3839	1.713	ug/L	94
50) 1,2-Dibromoethane	8.291	107	4513m	2.002	ug/L	
51) Chlorobenzene	8.815	112	11393	1.980	ug/L	97
52) Ethylbenzene	8.950	91	18496	1.855	ug/L	98
53) m,p-Xylene	9.082	106	6642	1.755	ug/L	99
54) o-Xylene	9.484	106	6731	1.817	ug/L	96
55) Styrene	9.510	104	10838	1.728	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.178	83	7440	2.332	ug/L #	94
59) Bromoform	9.670	173	2485	1.651	ug/L #	92
60) Isopropylbenzene	9.870	105	18649	1.943	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	5582	2.154	ug/L	92
62) 1,3,5-Trimethylbenzene	10.481	105	15047	1.858	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	14246	1.779	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	8629	1.944	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	9099	2.019	ug/L	92
67) 1,2-Dichlorobenzene	11.580	146	8741	1.965	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.368	75	1478	1.915	ug/L	91
69) 1,3,5-Trichlorobenzene	12.587	180	6109	1.835	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	5454	1.820	ug/L	98
71) Naphthalene	13.445	128	16279	2.031	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	5868	2.008	ug/L	98

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

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