

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW120524\
 Data File : VW038415.D
 Acq On : 05 Dec 2024 12:02
 Operator : SY/MD
 Sample : P4776-02
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Dec 06 01:41:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 01:27:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
 Supervised By :Semsettin Yesilyurt 12/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	501795	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	504970	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	230178	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	186349	44.444	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.880%		
7) Chloroethane-d5	1.526	69	156309	44.246	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.500%		
11) 1,1-Dichloroethene-d2	2.050	65	83310	46.867	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.740%		
21) 2-Butanone-d5	3.783	46	228660	114.597	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.600%		
24) Chloroform-d	4.236	84	358545	47.000	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.000%		
26) 1,2-Dichloroethane-d4	4.931	65	219615	48.764	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.520%		
32) Benzene-d6	4.947	84	691915	47.557	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.120%		
36) 1,2-Dichloropropane-d6	5.979	67	227082	50.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.380%		
41) Toluene-d8	7.236	98	592658	45.039	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.080%		
43) trans-1,3-Dichloroprop...	7.548	79	98526	45.030	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.060%		
47) 2-Hexanone-d5	8.017	63	146372	105.947	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.950%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	318051	50.268	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.540%		
66) 1,2-Dichlorobenzene-d4	11.554	152	228884	51.431	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	11761	2.552	ug/L	97
3) Chloromethane	1.211	50	11705	2.448	ug/L	98
5) Vinyl chloride	1.278	62	13894	2.849	ug/L	83
6) Bromomethane	1.481	94	7957	2.634	ug/L	100
8) Chloroethane	1.542	64	7904	2.562	ug/L	100
9) Trichlorofluoromethane	1.706	101	16385	2.548	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	12012	3.244	ug/L	88
12) 1,1-Dichloroethene	2.059	96	11014	3.123	ug/L #	1
13) Acetone	2.114	43	17429	6.333	ug/L	100
14) Carbon disulfide	2.233	76	29905	2.577	ug/L	95
15) Methyl Acetate	2.381	43	9448	2.653	ug/L	98
16) Methylene chloride	2.442	84	11837	2.782	ug/L	88
17) trans-1,2-Dichloroethene	2.690	96	9570	2.489	ug/L	91
18) Methyl tert-butyl Ether	2.696	73	23138	2.083	ug/L	95
19) 1,1-Dichloroethane	3.104	63	17089	2.423	ug/L	97
20) cis-1,2-Dichloroethene	3.802	96	10210	2.525	ug/L	93
22) 2-Butanone	3.924	43	15832m	6.054	ug/L	
23) Bromochloromethane	4.156	128	5550m	2.525	ug/L	
27) 1,2-Dichloroethane	5.050	62	13432m	2.501	ug/L	

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29) Cyclohexane	4.567	56	12047	2.221	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	15065	2.361	ug/L	96
31) Carbon tetrachloride	4.722	117	13905	2.480	ug/L	98
33) Benzene	5.008	78	38706m	2.539	ug/L	
34) Trichloroethene	5.841	95	10349	2.541	ug/L	93
35) Methylcyclohexane	6.040	83	12790	2.187	ug/L	97
37) 1,2-Dichloropropane	6.098	63	10312m	2.602	ug/L	
38) Bromodichloromethane	6.439	83	13316	2.421	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	15455m	2.513	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	17785	4.010	ug/L #	92
42) Toluene	7.320	91	37365	2.360	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	14552m	2.449	ug/L	
45) 1,1,2-Trichloroethane	7.770	97	10855	2.640	ug/L	95
46) Tetrachloroethene	7.902	164	8083	2.571	ug/L	96
48) 2-Hexanone	8.082	43	34044m	9.199	ug/L	
49) Dibromochloromethane	8.172	129	10834	2.554	ug/L	94
50) 1,2-Dibromoethane	8.284	107	10626	2.452	ug/L	100
51) Chlorobenzene	8.812	112	28184	2.590	ug/L	96
52) Ethylbenzene	8.947	91	33456	1.970	ug/L	99
53) m,p-Xylene	9.075	106	12960	2.013	ug/L	82
54) o-Xylene	9.477	106	11318	1.828	ug/L	95
55) Styrene	9.503	104	18713	1.721	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.168	83	18442	2.887	ug/L #	96
59) Bromoform	9.667	173	6515	2.633	ug/L	99
60) Isopropylbenzene	9.863	105	29622	2.105	ug/L	95
61) 1,2,3-Trichloropropane	10.204	75	12722	3.175	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	22083	1.955	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	21103	1.901	ug/L	94
64) 1,3-Dichlorobenzene	11.120	146	17857	2.472	ug/L	94
65) 1,4-Dichlorobenzene	11.204	146	20350	2.650	ug/L	96
67) 1,2-Dichlorobenzene	11.574	146	20003	2.716	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.365	75	3259	3.086	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	12722	2.582	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	9782	2.356	ug/L	96
71) Naphthalene	13.445	128	29029	2.579	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	10994	2.699	ug/L	98

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

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