

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080524\
 Data File : VW036777.D
 Acq On : 05 Aug 2024 11:35
 Operator : SY/MD
 Sample : P3391-02 2.5 PPB MDL
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2024-06DL

Quant Time: Aug 06 05:16:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 02:51:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
 Supervised By :Semsettin Yesilyurt 08/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	473391	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	442301	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	214283	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	189481	50.114	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.220%
7) Chloroethane-d5	1.532	69	153932	51.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.240%
11) 1,1-Dichloroethene-d2	2.056	65	83322	51.518	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.040%
21) 2-Butanone-d5	3.789	46	173891	86.802	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.800%
24) Chloroform-d	4.240	84	344144	50.720	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.440%
26) 1,2-Dichloroethane-d4	4.934	65	226585	51.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.880%
32) Benzene-d6	4.950	84	713034	53.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.740%
36) 1,2-Dichloropropane-d6	5.982	67	228216	52.952	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.900%
41) Toluene-d8	7.236	98	650236	53.061	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.120%
43) trans-1,3-Dichloroprop...	7.548	79	110647	49.331	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.660%
47) 2-Hexanone-d5	8.024	63	99983	80.683	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.680%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	226752	45.822	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.640%
66) 1,2-Dichlorobenzene-d4	11.554	152	230660	52.825	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	7357	1.949	ug/L	97
3) Chloromethane	1.217	50	7443	1.884	ug/L	93
5) Vinyl chloride	1.281	62	8740	2.154	ug/L #	54
6) Bromomethane	1.487	94	5353	2.096	ug/L	92
8) Chloroethane	1.548	64	4375	1.741	ug/L	95
9) Trichlorofluoromethane	1.712	101	9208	1.733	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	7902	2.524	ug/L #	76
12) 1,1-Dichloroethene	2.066	96	7602	2.542	ug/L #	1
14) Carbon disulfide	2.240	76	19202	2.044	ug/L	96
15) Methyl Acetate	2.371	43	5830	1.688	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	5745	1.855	ug/L	94
18) Methyl tert-butyl Ether	2.706	73	19308	1.770	ug/L	97
19) 1,1-Dichloroethane	3.105	63	12180	1.946	ug/L #	96
20) cis-1,2-Dichloroethene	3.812	96	7303	2.009	ug/L	83
22) 2-Butanone	3.905	43	8668m	3.860	ug/L	
23) Bromochloromethane	4.156	128	3396m	1.923	ug/L	
27) 1,2-Dichloroethane	5.053	62	8851m	1.746	ug/L	
29) Cyclohexane	4.567	56	10493m	1.862	ug/L	
30) 1,1,1-Trichloroethane	4.500	97	10025	1.799	ug/L #	79

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	4.725	117	8304	1.774	ug/L	98
33) Benzene	5.008	78	24628	1.862	ug/L	100
34) Trichloroethene	5.834	95	7941	2.071	ug/L	89
35) Methylcyclohexane	6.043	83	11381m	1.934	ug/L	
37) 1,2-Dichloropropane	6.098	63	6000	1.712	ug/L #	93
38) Bromodichloromethane	6.439	83	8077	1.674	ug/L #	95
39) cis-1,3-Dichloropropene	6.963	75	8878	1.479	ug/L	90
42) Toluene	7.320	91	24498	1.739	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	7919	1.416	ug/L	92
45) 1,1,2-Trichloroethane	7.776	97	5810	1.712	ug/L	91
46) Tetrachloroethene	7.905	164	4915	1.954	ug/L	83
48) 2-Hexanone	8.085	43	23979	7.508	ug/L #	95
49) Dibromochloromethane	8.175	129	6121	1.755	ug/L	99
50) 1,2-Dibromoethane	8.284	107	6179	1.755	ug/L	98
51) Chlorobenzene	8.812	112	16469	1.822	ug/L	99
52) Ethylbenzene	8.950	91	28697	1.784	ug/L	99
53) m,p-Xylene	9.075	106	11235	1.868	ug/L	98
54) o-Xylene	9.480	106	10226	1.738	ug/L	86
55) Styrene	9.503	104	15992	1.586	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.172	83	8405	1.835	ug/L #	95
59) Bromoform	9.667	173	3864	1.630	ug/L #	93
60) Isopropylbenzene	9.866	105	27281	1.749	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	6909	1.791	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.474	105	22622	1.742	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	22965	1.766	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	13003	1.938	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	14879	2.181	ug/L	96
67) 1,2-Dichlorobenzene	11.574	146	13302	2.030	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.371	75	1705	1.530	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	8573	1.801	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	8626	1.889	ug/L	98
71) Naphthalene	13.442	128	27263	1.862	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	7954	1.780	ug/L	92

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

