

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032813.D
 Acq On : 31 Oct 2023 20:55
 Operator : SY/MD
 Sample : 05105-14MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0007MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/02/2023

Quant Time: Nov 01 05:52:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	347046	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	390132	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	219611	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	144181	43.680	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.360%		
7) Chloroethane-d5	1.532	69	123184	44.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.240%		
11) 1,1-Dichloroethene-d2	2.060	65	57944	42.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.000%		
21) 2-Butanone-d5	3.786	46	135930	94.939	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.940%		
24) Chloroform-d	4.249	84	246067	46.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.400%		
26) 1,2-Dichloroethane-d4	4.944	65	152791	46.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.320%		
32) Benzene-d6	4.963	84	468740	46.730	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.460%		
36) 1,2-Dichloropropane-d6	5.992	67	138388	45.411	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.820%		
41) Toluene-d8	7.246	98	477751	48.370	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.740%		
43) trans-1,3-Dichloroprop...	7.555	79	75316	47.454	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.900%		
47) 2-Hexanone-d5	8.027	63	111127	99.886	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.890%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	219038	47.365	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.740%		
66) 1,2-Dichlorobenzene-d4	11.561	152	197878	46.757	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.108	85	136565	44.721	ug/L	99
3) Chloromethane	1.217	50	135002	45.697	ug/L	99
5) Vinyl chloride	1.285	62	140726	44.673	ug/L	99
6) Bromomethane	1.484	94	94559	43.020	ug/L	98
8) Chloroethane	1.548	64	98740	46.561	ug/L	99
9) Trichlorofluoromethane	1.716	101	221705	44.163	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	134837	44.391	ug/L	99
12) 1,1-Dichloroethene	2.069	96	115095	44.341	ug/L	99
13) Acetone	2.111	43	112614	46.990	ug/L	100
14) Carbon disulfide	2.243	76	278446	44.938	ug/L	100
15) Methyl Acetate	2.372	43	106572	43.859	ug/L	99
16) Methylene chloride	2.449	84	133862	38.880	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	114164	46.081	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	361203	49.369	ug/L	100
19) 1,1-Dichloroethane	3.114	63	215722	45.691	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	128791	47.071	ug/L	99
22) 2-Butanone	3.867	43	149359	73.489	ug/L	94
23) Bromochloromethane	4.150	128	71277	46.674	ug/L	99
25) Chloroform	4.278	83	244800	45.492	ug/L	97

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27) 1,2-Dichloroethane	5.043	62	187269	48.290	ug/L	98
29) Cyclohexane	4.587	56	163120	46.523	ug/L #	93
30) 1,1,1-Trichloroethane	4.516	97	210053	44.940	ug/L	99
31) Carbon tetrachloride	4.738	117	183898	44.524	ug/L	100
33) Benzene	5.011	78	490898	47.453	ug/L	100
34) Trichloroethene	5.834	95	127141	44.150	ug/L	96
35) Methylcyclohexane	6.053	83	212919m	47.252	ug/L	
37) 1,2-Dichloropropane	6.095	63	139830	50.921	ug/L	99
38) Bromodichloromethane	6.436	83	198365	46.046	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	214202	51.995	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	342146	105.135	ug/L	100
42) Toluene	7.317	91	586746	49.804	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	205273	48.511	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	149681	47.522	ug/L	98
46) Tetrachloroethene	7.908	164	112950	43.470	ug/L	98
48) 2-Hexanone	8.075	43	254415	87.132	ug/L	97
49) Dibromochloromethane	8.178	129	155731	47.292	ug/L	96
50) 1,2-Dibromoethane	8.284	107	156664	48.822	ug/L	98
51) Chlorobenzene	8.815	112	385525	46.224	ug/L	99
52) Ethylbenzene	8.950	91	631822	48.618	ug/L	98
53) m,p-Xylene	9.075	106	244892	49.513	ug/L	97
54) o-Xylene	9.481	106	238117	49.695	ug/L	97
55) Styrene	9.497	104	429326	51.414	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	223091	47.291	ug/L	98
59) Bromoform	9.667	173	112418	45.656	ug/L	99
60) Isopropylbenzene	9.870	105	651168	48.893	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	167983	45.794	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	519461	49.566	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	504491	50.322	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	316170	45.569	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	335164	45.782	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	326126	46.042	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	42131	44.131	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	223903	44.702	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	197785	45.660	ug/L	98
71) Naphthalene	13.442	128	534471	49.409	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	207483	47.973	ug/L	99

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

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