

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031676.D
 Acq On : 11 Jul 2023 13:04
 Operator : SY/MD
 Sample : VSTD00544
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005244

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2023
 Supervised By : Mahesh Dadoda 07/12/2023

Quant Time: Jul 12 07:41:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	320838	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	320112	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	173543	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	13767	6.093	ug/L	0.00
7) Chloroethane-d5	1.535	69	10169	5.225	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5432	4.745	ug/L	0.00
21) 2-Butanone-d5	3.822	46	17324m	9.982	ug/L	0.03
24) Chloroform-d	4.259	84	27404	5.021	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	17378	5.159	ug/L	0.00
32) Benzene-d6	4.969	84	44095	4.853	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	15770	4.937	ug/L	0.00
41) Toluene-d8	7.252	98	36192	4.322	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	6700	4.346	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	8285m	6.739	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	19867	4.144	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	15759	4.804	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	18036	5.126	ug/L	97
3) Chloromethane	1.217	50	20071	6.025	ug/L	97
5) Vinyl chloride	1.285	62	18030	5.483	ug/L	97
6) Bromomethane	1.490	94	11132	5.274	ug/L	86
8) Chloroethane	1.552	64	9759	4.628	ug/L	98
9) Trichlorofluoromethane	1.716	101	25628	4.752	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	14147	4.826	ug/L	97
12) 1,1-Dichloroethene	2.072	96	12060	4.913	ug/L	86
13) Acetone	2.124	43	13032	7.600	ug/L	100
14) Carbon disulfide	2.243	76	43803	5.846	ug/L	99
15) Methyl Acetate	2.384	43	14846	5.092	ug/L	99
16) Methylene chloride	2.452	84	15932	5.247	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	12634	5.007	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	34937	4.234	ug/L	98
19) 1,1-Dichloroethane	3.117	63	27367	5.066	ug/L	93
20) cis-1,2-Dichloroethene	3.825	96	12996	4.815	ug/L	96
22) 2-Butanone	3.908	43	20207m	9.310	ug/L	
23) Bromochloromethane	4.166	128	7200	4.860	ug/L	92
25) Chloroform	4.285	83	28043	4.990	ug/L	97
27) 1,2-Dichloroethane	5.053	62	20949	4.864	ug/L	98
29) Cyclohexane	4.587	56	16469	3.970	ug/L	94
30) 1,1,1-Trichloroethane	4.522	97	24774	4.848	ug/L	96
31) Carbon tetrachloride	4.744	117	21686	4.791	ug/L	97
33) Benzene	5.018	78	48757	4.574	ug/L	100
34) Trichloroethene	5.844	95	15846	5.494	ug/L	89
35) Methylcyclohexane	6.056	83	18342	4.397	ug/L	94
37) 1,2-Dichloropropane	6.101	63	14969	4.811	ug/L	100
38) Bromodichloromethane	6.442	83	20021	4.730	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	19978m	4.346	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	30186	8.273	ug/L	93
42) Toluene	7.323	91	47105	4.250	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	18396	4.097	ug/L	95

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45) 1,1,2-Trichloroethane	7.776	97	13872	4.677	ug/L	90
46) Tetrachloroethene	7.911	164	11389	5.060	ug/L	96
48) 2-Hexanone	8.088	43	23681m	8.007	ug/L	
49) Dibromochloromethane	8.181	129	15365	4.649	ug/L	95
50) 1,2-Dibromoethane	8.291	107	15175	4.789	ug/L #	98
51) Chlorobenzene	8.821	112	35597	4.860	ug/L	97
52) Ethylbenzene	8.953	91	47149	3.848	ug/L	98
53) m,p-Xylene	9.082	106	16422	3.628	ug/L	99
54) o-Xylene	9.484	106	15172	3.563	ug/L	92
55) Styrene	9.503	104	26930	3.496	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	19323	4.044	ug/L	93
59) Bromoform	9.673	173	8363	3.854	ug/L #	96
60) Isopropylbenzene	9.873	105	41972	3.841	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	16693	4.850	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	33187	3.691	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	30857	3.620	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	25752	4.645	ug/L	92
65) 1,4-Dichlorobenzene	11.217	146	30455	5.142	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	27224	4.852	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	5303	5.139	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	19429	4.601	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	16970	4.604	ug/L	98
71) Naphthalene	13.445	128	46432	4.899	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	18826	4.918	ug/L	97

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

