

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031677.D
 Acq On : 11 Jul 2023 13:30
 Operator : SY/MD
 Sample : VSTD01045
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010245

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 07:41:56 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	5.538	114	256762	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	312931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	170277	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	27454	15.183	ug/L	0.00
7) Chloroethane-d5	1.532	69	21880	14.048	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	12813	13.984	ug/L	0.00
21) 2-Butanone-d5	3.809	46	33048	23.793	ug/L	0.01
24) Chloroform-d	4.256	84	53327	12.209	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	33343	12.368	ug/L	0.00
32) Benzene-d6	4.966	84	86210	9.706	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	24231	7.760	ug/L	0.00
41) Toluene-d8	7.249	98	67289	8.220	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	13884	9.212	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	18557m	15.441	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	45220	9.648	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	29875	9.281	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	34557	12.272	ug/L	97
3) Chloromethane	1.217	50	39099	14.666	ug/L	98
5) Vinyl chloride	1.285	62	36305	13.795	ug/L	98
6) Bromomethane	1.487	94	22650	13.408	ug/L	93
8) Chloroethane	1.551	64	21682	12.848	ug/L	100
9) Trichlorofluoromethane	1.715	101	49038	11.362	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	29830	12.716	ug/L	95
12) 1,1-Dichloroethene	2.072	96	25295	12.875	ug/L	93
13) Acetone	2.117	43	27332	19.918	ug/L	95
14) Carbon disulfide	2.243	76	84218	14.046	ug/L	100
15) Methyl Acetate	2.378	43	30114	12.906	ug/L	99
16) Methylene chloride	2.452	84	30064	12.373	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	24101	11.935	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	66853	10.125	ug/L	95
19) 1,1-Dichloroethane	3.117	63	51157	11.834	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	23411	10.837	ug/L	90
22) 2-Butanone	3.892	43	34823m	20.048	ug/L	
23) Bromochloromethane	4.156	128	12933	10.909	ug/L	81
25) Chloroform	4.284	83	53695	11.939	ug/L	99
27) 1,2-Dichloroethane	5.053	62	32219	9.347	ug/L	98
29) Cyclohexane	4.590	56	33343	8.221	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	46953	9.398	ug/L	98
31) Carbon tetrachloride	4.741	117	39730	8.979	ug/L	97
33) Benzene	5.018	78	92945	8.920	ug/L	100
34) Trichloroethene	5.841	95	24243	8.599	ug/L	94
35) Methylcyclohexane	6.056	83	28803	7.063	ug/L	99
37) 1,2-Dichloropropane	6.101	63	21391	7.033	ug/L #	92
38) Bromodichloromethane	6.442	83	31467	7.605	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	32571	7.248	ug/L	97
40) 4-Methyl-2-pentanone	7.165	43	48947	13.722	ug/L	98
42) Toluene	7.323	91	83588	7.715	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	38390	8.746	ug/L	95

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45) 1,1,2-Trichloroethane	7.776	97	27364	9.437	ug/L	97
46) Tetrachloroethene	7.911	164	20925	9.511	ug/L	94
48) 2-Hexanone	8.085	43	52081m	18.014	ug/L	
49) Dibromochloromethane	8.181	129	30105	9.318	ug/L	96
50) 1,2-Dibromoethane	8.291	107	30228	9.759	ug/L	99
51) Chlorobenzene	8.821	112	67527	9.430	ug/L	96
52) Ethylbenzene	8.953	91	94884	7.922	ug/L	96
53) m,p-Xylene	9.082	106	33503	7.571	ug/L	94
54) o-Xylene	9.484	106	31302	7.519	ug/L	99
55) Styrene	9.503	104	55638	7.388	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	42914	9.187	ug/L	99
59) Bromoform	9.673	173	21388	10.046	ug/L #	90
60) Isopropylbenzene	9.873	105	84355	7.868	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	36517	10.814	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	64378	7.297	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	63629	7.607	ug/L	96
64) 1,3-Dichlorobenzene	11.123	146	49821	9.159	ug/L	96
65) 1,4-Dichlorobenzene	11.213	146	55390	9.532	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	51203	9.301	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	10402	10.275	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	35566	8.585	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	30269	8.370	ug/L	98
71) Naphthalene	13.445	128	78136	8.402	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	31146	8.292	ug/L	99

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

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