

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092523\
 Data File : VW032167.D
 Acq On : 25 Sep 2023 11:52
 Operator : SY/MD
 Sample : VSTD00567
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005267

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2023
 Supervised By :Mahesh Dadoda 09/26/2023

Quant Time: Sep 26 01:04:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 26 01:03:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	267037	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	252152	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	135252	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	7659	4.609	ug/L	0.00
7) Chloroethane-d5	1.532	69	6854	4.682	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3361	4.363	ug/L	0.00
21) 2-Butanone-d5	3.818	46	12306m	9.023	ug/L	0.03
24) Chloroform-d	4.256	84	16048	4.422	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	9021	3.801	ug/L	0.00
32) Benzene-d6	4.966	84	31016	4.533	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	9902	4.421	ug/L	0.00
41) Toluene-d8	7.249	98	28028	4.441	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	4607	4.054	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	7101m	9.480	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.159	84	13969	4.734	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11602	4.694	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	10736	6.100	ug/L	97
3) Chloromethane	1.217	50	11982	6.614	ug/L	97
5) Vinyl chloride	1.282	62	11403	6.042	ug/L	95
6) Bromomethane	1.487	94	6660	5.932	ug/L	98
8) Chloroethane	1.548	64	7327	5.927	ug/L	99
9) Trichlorofluoromethane	1.712	101	14881	5.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8871	5.493	ug/L	98
12) 1,1-Dichloroethene	2.069	96	8158	5.585	ug/L	98
13) Acetone	2.114	43	13988	11.650	ug/L	97
14) Carbon disulfide	2.240	76	25945	7.159	ug/L	100
15) Methyl Acetate	2.378	43	10099	4.627	ug/L	98
16) Methylene chloride	2.449	84	11200	5.977	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	9365	5.828	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	29803	4.567	ug/L	98
19) 1,1-Dichloroethane	3.114	63	17716	5.032	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	10075	5.079	ug/L	86
22) 2-Butanone	3.892	43	17403m	10.884	ug/L	
23) Bromochloromethane	4.156	128	5082	5.253	ug/L #	88
25) Chloroform	4.281	83	17647	4.898	ug/L	95
27) 1,2-Dichloroethane	5.047	62	13595	4.811	ug/L	97
29) Cyclohexane	4.580	56	16465	5.892	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	15071	5.090	ug/L	99
31) Carbon tetrachloride	4.735	117	12847	5.080	ug/L	99
33) Benzene	5.014	78	37175	5.275	ug/L	100
34) Trichloroethene	5.838	95	10884	5.212	ug/L	98
35) Methylcyclohexane	6.050	83	17288	5.971	ug/L	99
37) 1,2-Dichloropropane	6.101	63	10700	5.499	ug/L	99
38) Bromodichloromethane	6.439	83	12302	4.496	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	15016	4.456	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	27835	8.941	ug/L	99
42) Toluene	7.320	91	39842	5.198	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	14141	4.398	ug/L	96

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

45) 1,1,2-Trichloroethane	7.773	97	10030	5.059	ug/L	97
46) Tetrachloroethene	7.908	164	7643	5.649	ug/L	94
48) 2-Hexanone	8.085	43	23322m	9.819	ug/L	
49) Dibromochloromethane	8.182	129	9244	4.584	ug/L	96
50) 1,2-Dibromoethane	8.291	107	9953	4.772	ug/L #	95
51) Chlorobenzene	8.818	112	26264	5.190	ug/L	98
52) Ethylbenzene	8.950	91	44157	4.922	ug/L	98
53) m,p-Xylene	9.079	106	16683	5.020	ug/L	95
54) o-Xylene	9.484	106	16410	4.974	ug/L	100
55) Styrene	9.503	104	26172	4.508	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	14478	5.024	ug/L	98
59) Bromoform	9.670	173	6270	4.393	ug/L	99
60) Isopropylbenzene	9.870	105	43877	4.811	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	12034	4.648	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	35328	4.619	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	34402	4.489	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	21232	5.160	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	21492	5.145	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	20460	5.005	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	2970	3.916	ug/L	87
69) 1,3,5-Trichlorobenzene	12.587	180	15327	5.142	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	13651	4.788	ug/L	98
71) Naphthalene	13.445	128	35768	3.910	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	13229	4.793	ug/L	99

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

