

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072523\
 Data File : VW031734.D
 Acq On : 25 Jul 2023 09:08
 Operator : SY/MD
 Sample : VSTD00547
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005247

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/27/2023
 Supervised By :Semsettin Yesilyurt 07/27/2023

Quant Time: Jul 26 02:05:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 26 02:05:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	315658	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	335006	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	171131	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	16885	5.790	ug/L	0.00
7) Chloroethane-d5	1.532	69	16319	7.673	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	8177	6.320	ug/L	0.00
21) 2-Butanone-d5	3.825	46	17140m	8.939	ug/L	0.04
24) Chloroform-d	4.259	84	32549	5.586	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	21182	5.767	ug/L	0.00
32) Benzene-d6	4.969	84	47256	4.655	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	20024	6.024	ug/L	0.00
41) Toluene-d8	7.252	98	33897	3.789	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	6983	4.280	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	8799	6.718	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	25144	5.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	17731	5.623	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	21281	5.530	ug/L	98
3) Chloromethane	1.217	50	19313	4.812	ug/L	98
5) Vinyl chloride	1.285	62	19577	5.171	ug/L	96
6) Bromomethane	1.487	94	14234	6.434	ug/L	91
8) Chloroethane	1.551	64	13673	6.509	ug/L	98
9) Trichlorofluoromethane	1.715	101	32638	5.948	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	19200	6.074	ug/L	96
12) 1,1-Dichloroethene	2.072	96	15408	5.658	ug/L	93
13) Acetone	2.117	43	23910	15.292	ug/L	93
14) Carbon disulfide	2.243	76	36966	4.283	ug/L	96
15) Methyl Acetate	2.381	43	17253	5.039	ug/L	91
16) Methylene chloride	2.449	84	17846	5.521	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	13065	4.757	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	36730	4.307	ug/L #	92
19) 1,1-Dichloroethane	3.117	63	31689	5.502	ug/L	96
20) cis-1,2-Dichloroethene	3.821	96	13633	4.748	ug/L	94
22) 2-Butanone	3.899	43	20394m	9.301	ug/L	
23) Bromochloromethane	4.159	128	8679	5.628	ug/L	92
25) Chloroform	4.281	83	34118	5.768	ug/L	92
27) 1,2-Dichloroethane	5.053	62	23081	5.231	ug/L	96
29) Cyclohexane	4.583	56	15262	3.558	ug/L #	87
30) 1,1,1-Trichloroethane	4.516	97	27880	5.286	ug/L #	81
31) Carbon tetrachloride	4.741	117	26326	5.691	ug/L	89
33) Benzene	5.018	78	49416	4.306	ug/L	100
34) Trichloroethene	5.841	95	18496	5.654	ug/L	93
35) Methylcyclohexane	6.053	83	15845	3.718	ug/L	92
37) 1,2-Dichloropropane	6.101	63	16359	5.056	ug/L	99
38) Bromodichloromethane	6.439	83	24121	5.524	ug/L	93
39) cis-1,3-Dichloropropene	6.963	75	19742	4.078	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	29129	7.133	ug/L	96
42) Toluene	7.323	91	44207	3.759	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	18744	3.880	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	16475	5.144	ug/L #	82
46) Tetrachloroethene	7.911	164	10405	4.331	ug/L	86
48) 2-Hexanone	8.091	43	22312	6.533	ug/L #	90
49) Dibromochloromethane	8.181	129	17131	4.876	ug/L	96
50) 1,2-Dibromoethane	8.291	107	16569	4.735	ug/L #	93
51) Chlorobenzene	8.821	112	35935	4.608	ug/L	99
52) Ethylbenzene	8.953	91	47907	3.752	ug/L	97
53) m,p-Xylene	9.082	106	16693	3.576	ug/L	89
54) o-Xylene	9.484	106	15517	3.564	ug/L	87
55) Styrene	9.506	104	25671	3.201	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	21032	4.344	ug/L	97
59) Bromoform	9.670	173	11092	5.138	ug/L #	64
60) Isopropylbenzene	9.873	105	40758	3.926	ug/L #	96
61) 1,2,3-Trichloropropane	10.217	75	19918	5.519	ug/L	97
62) 1,3,5-Trimethylbenzene	10.480	105	31243	3.708	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	31356	3.730	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	24602	4.569	ug/L	93
65) 1,4-Dichlorobenzene	11.213	146	28509	4.886	ug/L	92
67) 1,2-Dichlorobenzene	11.586	146	26655	4.809	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	5141	4.766	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	18379	4.612	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	15900	4.497	ug/L	95
71) Naphthalene	13.448	128	34822	3.341	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	15187	4.051	ug/L	98

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

