

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092523\
 Data File : VV032171.D
 Acq On : 25 Sep 2023 14:12
 Operator : SY/MD
 Sample : VSTD20071
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200271

Quant Time: Sep 26 01:06:30 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	243560	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	235303	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	131211	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	316953	209.121	ug/L	0.00
7) Chloroethane-d5	1.516	69	267663	200.464	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.053	65	135440	192.787	ug/L	0.00
21) 2-Butanone-d5	3.780	46	595366	478.605	ug/L	0.00
24) Chloroform-d	4.249	84	656634	198.356	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	398173	183.928	ug/L	0.00
32) Benzene-d6	4.960	84	1278936	200.286	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	429940	205.707	ug/L	0.00
41) Toluene-d8	7.246	98	1176510	199.778	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	214930	202.672	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	414302	592.736	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	627346	227.805	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	489882	204.284	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	425964	265.370	ug/L	98
3) Chloromethane	1.214	50	460839	278.901	ug/L	99
5) Vinyl chloride	1.282	62	455123	264.389	ug/L	99
6) Bromomethane	1.468	94	195174	190.592	ug/L	100
8) Chloroethane	1.536	64	278546	247.054	ug/L	98
9) Trichlorofluoromethane	1.706	101	578222	237.696	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	344428	233.844	ug/L	99
12) 1,1-Dichloroethene	2.066	96	325291	244.156	ug/L	96
13) Acetone	2.111	43	480482	438.737	ug/L	100
14) Carbon disulfide	2.236	76	1050238	317.745	ug/L	100
15) Methyl Acetate	2.368	43	477398	239.803	ug/L	100
16) Methylene chloride	2.442	84	394419	230.758	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	364842	248.944	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	1227454	206.229	ug/L	100
19) 1,1-Dichloroethane	3.111	63	716661	223.165	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	417618	230.830	ug/L	98
22) 2-Butanone	3.860	43	702718	481.855	ug/L	97
23) Bromochloromethane	4.146	128	207306	234.916	ug/L	96
25) Chloroform	4.275	83	699291	212.814	ug/L	99
27) 1,2-Dichloroethane	5.040	62	526607	204.327	ug/L	99
29) Cyclohexane	4.584	56	674748	258.753	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	601009	217.518	ug/L	100
31) Carbon tetrachloride	4.735	117	521224	220.877	ug/L	100
33) Benzene	5.011	78	1537994	233.867	ug/L	100
34) Trichloroethene	5.831	95	418717	214.871	ug/L	99
35) Methylcyclohexane	6.053	83	671483	248.506	ug/L	100
37) 1,2-Dichloropropane	6.095	63	427981	235.679	ug/L	99
38) Bromodichloromethane	6.432	83	542717	212.545	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	711796	226.325	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	1292814	445.007	ug/L	99
42) Toluene	7.317	91	1644562	229.931	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	651049	216.983	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	398485	215.372	ug/L	98
46) Tetrachloroethene	7.908	164	305809	242.195	ug/L	99
48) 2-Hexanone	8.079	43	1010397	455.843	ug/L	99
49) Dibromochloromethane	8.178	129	422062	224.295	ug/L	99
50) 1,2-Dibromoethane	8.284	107	437285	224.678	ug/L	100
51) Chlorobenzene	8.815	112	1059151	224.278	ug/L	99
52) Ethylbenzene	8.950	91	1858722	222.030	ug/L	98
53) m,p-Xylene	9.075	106	699043	225.411	ug/L	100
54) o-Xylene	9.481	106	683412	221.980	ug/L	99
55) Styrene	9.500	104	1194080	220.400	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	646422	240.364	ug/L	99
59) Bromoform	9.667	173	325262	234.930	ug/L	99
60) Isopropylbenzene	9.870	105	1842813	208.301	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	509574	202.890	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	1559134	210.119	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	1533487	206.263	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	862770	216.140	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	867631	214.092	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	856088	215.879	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	158982	216.062	ug/L	99
69) 1,3,5-Trichlorobenzene	12.587	180	644765	222.992	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	620914	224.485	ug/L	99
71) Naphthalene	13.442	128	1997372	225.085	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	596145	222.624	ug/L	99

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

