

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033420.D
 Acq On : 16 Dec 2023 08:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050366

Quant Time: Dec 16 08:41:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 01:35:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	243707	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	249763	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	138566	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	94363	50.280	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.560%
7) Chloroethane-d5	1.529	69	82254	48.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.680%
11) 1,1-Dichloroethene-d2	2.060	65	43912	47.003	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.000%
21) 2-Butanone-d5	3.780	46	96899	102.444	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.440%
24) Chloroform-d	4.249	84	187732	50.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.140%
26) 1,2-Dichloroethane-d4	4.940	65	116217	50.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.920%
32) Benzene-d6	4.960	84	343954	51.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.260%
36) 1,2-Dichloropropane-d6	5.989	67	102857	50.380	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.760%
41) Toluene-d8	7.243	98	324207	52.672	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.340%
43) trans-1,3-Dichloroprop...	7.551	79	47185	47.158	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.320%
47) 2-Hexanone-d5	8.024	63	68434	99.657	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.660%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	144818	49.353	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.700%
66) 1,2-Dichlorobenzene-d4	11.561	152	127575	48.994	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	100582	50.235	ug/L	98
3) Chloromethane	1.214	50	93054	50.482	ug/L	99
5) Vinyl chloride	1.281	62	98159	49.673	ug/L	100
6) Bromomethane	1.484	94	62672	44.306	ug/L	97
8) Chloroethane	1.548	64	66759	50.042	ug/L	99
9) Trichlorofluoromethane	1.712	101	164868	47.579	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94989	46.987	ug/L	100
12) 1,1-Dichloroethene	2.069	96	81940	47.712	ug/L	97
13) Acetone	2.108	43	87607	79.792	ug/L	98
14) Carbon disulfide	2.243	76	212522	48.425	ug/L	99
15) Methyl Acetate	2.371	43	82697	52.739	ug/L	97
16) Methylene chloride	2.445	84	93456	48.724	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	81075	49.945	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	252040	51.129	ug/L	100
19) 1,1-Dichloroethane	3.111	63	160814	51.689	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	89277	48.507	ug/L	96
22) 2-Butanone	3.863	43	99851	92.309	ug/L	99
23) Bromochloromethane	4.146	128	50693	50.250	ug/L	97
25) Chloroform	4.275	83	175061	50.000	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	136184	50.461	ug/L	99
29) Cyclohexane	4.587	56	114450	50.842	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	152469	49.443	ug/L	100
31) Carbon tetrachloride	4.735	117	137248	49.732	ug/L	97
33) Benzene	5.011	78	350501	52.651	ug/L	100
34) Trichloroethene	5.834	95	91287	49.983	ug/L	97
35) Methylcyclohexane	6.053	83	130047	49.645	ug/L	98
37) 1,2-Dichloropropane	6.092	63	92280	51.114	ug/L	99
38) Bromodichloromethane	6.432	83	127148	48.932	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	132355	50.393	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	210719	109.372	ug/L	99
42) Toluene	7.313	91	378610	53.658	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	131500	49.894	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	96224	51.136	ug/L	98
46) Tetrachloroethene	7.905	164	68100	47.720	ug/L	97
48) 2-Hexanone	8.075	43	162604	101.190	ug/L	99
49) Dibromochloromethane	8.175	129	98974	49.742	ug/L	97
50) 1,2-Dibromoethane	8.281	107	97526	50.279	ug/L	98
51) Chlorobenzene	8.815	112	254804	50.109	ug/L	99
52) Ethylbenzene	8.947	91	409199	52.074	ug/L	100
53) m,p-Xylene	9.072	106	157748	53.432	ug/L	95
54) o-Xylene	9.480	106	150255	52.414	ug/L	98
55) Styrene	9.497	104	279368	55.219	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	141695	49.029	ug/L	98
59) Bromoform	9.664	173	66982	46.855	ug/L	100
60) Isopropylbenzene	9.866	105	411261	52.266	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	109937	49.500	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	309744	51.939	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	329932	53.269	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	203442	49.745	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	211234	47.991	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	208150	48.900	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	28630	47.588	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	134729	47.636	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	116029	46.931	ug/L	99
71) Naphthalene	13.439	128	304062	45.711	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	126299	52.228	ug/L	98

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

