

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100323\
 Data File : VW032207.D
 Acq On : 03 Oct 2023 09:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

Quant Time: Oct 04 02:46:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 03 01:57:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	223180	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	220003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	121001	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50613	36.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.300%
7) Chloroethane-d5	1.529	69	47414	39.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.060	65	23467	38.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.820%
21) 2-Butanone-d5	3.786	46	107305	86.405	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.400%
24) Chloroform-d	4.249	84	124111	42.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.880%
26) 1,2-Dichloroethane-d4	4.944	65	74982	43.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.240%
32) Benzene-d6	4.960	84	230693	39.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.780%
36) 1,2-Dichloropropane-d6	5.989	67	79432	41.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.320%
41) Toluene-d8	7.246	98	206486	39.135	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.280%#
43) trans-1,3-Dichloroprop...	7.555	79	34638	37.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.460%
47) 2-Hexanone-d5	8.027	63	66082	79.289	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.290%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	115975	42.250	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.500%
66) 1,2-Dichlorobenzene-d4	11.564	152	88418	40.294	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	90033	47.640	ug/L	100
3) Chloromethane	1.217	50	98382	48.007	ug/L	99
5) Vinyl chloride	1.281	62	96947	48.027	ug/L	99
6) Bromomethane	1.484	94	58866	51.396	ug/L	97
8) Chloroethane	1.545	64	59531	47.376	ug/L	100
9) Trichlorofluoromethane	1.712	101	127231	49.108	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77018	49.299	ug/L	99
12) 1,1-Dichloroethene	2.069	96	71384	49.383	ug/L	91
13) Acetone	2.111	43	79236	68.201	ug/L	100
14) Carbon disulfide	2.240	76	216744	46.853	ug/L	99
15) Methyl Acetate	2.371	43	113354	54.689	ug/L	99
16) Methylene chloride	2.445	84	88011	48.223	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	76037	46.664	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	255033	46.781	ug/L	99
19) 1,1-Dichloroethane	3.111	63	152401	47.699	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	86944	47.388	ug/L	98
22) 2-Butanone	3.867	43	115979	74.357	ug/L	100
23) Bromochloromethane	4.150	128	43987	47.867	ug/L	96
25) Chloroform	4.275	83	149893	48.060	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	110858	47.027	ug/L	99
29) Cyclohexane	4.584	56	138486	45.091	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	128336	46.781	ug/L	99
31) Carbon tetrachloride	4.735	117	111094	46.891	ug/L	98
33) Benzene	5.011	78	324317	46.214	ug/L	100
34) Trichloroethene	5.834	95	93081	48.177	ug/L	98
35) Methylcyclohexane	6.050	83	130570	42.269	ug/L	98
37) 1,2-Dichloropropane	6.095	63	86834	45.094	ug/L	100
38) Bromodichloromethane	6.432	83	114327	47.231	ug/L	97
39) cis-1,3-Dichloropropene	6.957	75	131282	42.990	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	256165	89.258	ug/L	99
42) Toluene	7.317	91	349984	46.711	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	120434	43.065	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	84475	45.990	ug/L	99
46) Tetrachloroethene	7.908	164	64115	45.666	ug/L	98
48) 2-Hexanone	8.075	43	176062	78.531	ug/L	99
49) Dibromochloromethane	8.178	129	85964	47.070	ug/L	100
50) 1,2-Dibromoethane	8.284	107	90459	46.250	ug/L	98
51) Chlorobenzene	8.815	112	223169	46.163	ug/L	99
52) Ethylbenzene	8.947	91	385795	46.097	ug/L	99
53) m,p-Xylene	9.075	106	143185	45.919	ug/L	99
54) o-Xylene	9.481	106	141053	45.918	ug/L	99
55) Styrene	9.497	104	249999	47.704	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	126506	44.200	ug/L	99
59) Bromoform	9.667	173	63408	47.159	ug/L	98
60) Isopropylbenzene	9.870	105	389176	46.211	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	105352	44.790	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	315575	45.609	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	310064	45.558	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	179310	45.542	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	181741	45.696	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	176971	45.697	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	26848	41.340	ug/L	98
69) 1,3,5-Trichlorobenzene	12.586	180	124322	43.608	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	116369	43.402	ug/L	100
71) Naphthalene	13.442	128	346654	39.250	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	117782	44.214	ug/L	99

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

