

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092223\
 Data File : VW032155.D
 Acq On : 22 Sep 2023 10:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

Quant Time: Sep 23 01:15:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	244376	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	235521	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	126376	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75686	49.488	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.980%
7) Chloroethane-d5	1.529	69	62224	46.412	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.820%
11) 1,1-Dichloroethene-d2	2.059	65	31879	44.515	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.040%
21) 2-Butanone-d5	3.783	46	113408	94.282	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.280%
24) Chloroform-d	4.249	84	146475	43.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.640%
26) 1,2-Dichloroethane-d4	4.940	65	88213	39.764	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.520%
32) Benzene-d6	4.960	84	289360	45.025	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
36) 1,2-Dichloropropane-d6	5.989	67	95066	45.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.246	98	263351	44.473	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
43) trans-1,3-Dichloroprop...	7.554	79	45225	42.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.360%
47) 2-Hexanone-d5	8.027	63	73967	116.667	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.670%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	127919	47.855	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.720%
66) 1,2-Dichlorobenzene-d4	11.564	152	103845	45.076	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	64396	43.285	ug/L	97
3) Chloromethane	1.214	50	71310	47.007	ug/L	99
5) Vinyl chloride	1.281	62	76033	46.931	ug/L	98
6) Bromomethane	1.484	94	46408	48.651	ug/L	97
8) Chloroethane	1.545	64	52557	48.814	ug/L	97
9) Trichlorofluoromethane	1.712	101	118009	49.969	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	77999	54.701	ug/L	98
12) 1,1-Dichloroethene	2.069	96	61934	48.357	ug/L	87
13) Acetone	2.111	43	123811	115.645	ug/L	98
14) Carbon disulfide	2.240	76	122213	41.877	ug/L	99
15) Methyl Acetate	2.371	43	106989	56.032	ug/L	98
16) Methylene chloride	2.445	84	87118	52.931	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	69208	49.288	ug/L	91
18) Methyl tert-butyl Ether	2.703	73	305750	51.522	ug/L	97
19) 1,1-Dichloroethane	3.111	63	166696	52.973	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	93902	53.303	ug/L	92
22) 2-Butanone	3.863	43	160361	113.196	ug/L	97
23) Bromochloromethane	4.146	128	46232	54.093	ug/L	98
25) Chloroform	4.275	83	171000	52.265	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	125776	48.796	ug/L	97
29) Cyclohexane	4.583	56	116533	47.521	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	140196	51.032	ug/L	98
31) Carbon tetrachloride	4.735	117	114605	49.129	ug/L	97
33) Benzene	5.011	78	334106	52.796	ug/L	100
34) Trichloroethene	5.834	95	91909	47.489	ug/L	98
35) Methylcyclohexane	6.050	83	119292	46.340	ug/L	96
37) 1,2-Dichloropropane	6.095	63	99957	55.726	ug/L	100
38) Bromodichloromethane	6.432	83	134045	52.649	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	162544	52.121	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	315719	110.896	ug/L	99
42) Toluene	7.316	91	362719	52.106	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	150255	50.146	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	102622	56.629	ug/L	98
46) Tetrachloroethene	7.905	164	64393	52.988	ug/L	98
48) 2-Hexanone	8.075	43	240548	110.640	ug/L	98
49) Dibromochloromethane	8.178	129	101711	54.619	ug/L	100
50) 1,2-Dibromoethane	8.284	107	100542	52.971	ug/L	98
51) Chlorobenzene	8.815	112	247849	53.583	ug/L	97
52) Ethylbenzene	8.947	91	424356	51.463	ug/L	100
53) m,p-Xylene	9.075	106	155589	50.818	ug/L	95
54) o-Xylene	9.480	106	159963	52.532	ug/L	96
55) Styrene	9.496	104	282438	52.468	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	159820	62.300	ug/L	98
59) Bromoform	9.667	173	73682	56.225	ug/L	99
60) Isopropylbenzene	9.869	105	442913	52.326	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	128900	53.987	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	361338	50.741	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	366322	51.136	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	208598	54.989	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	209068	54.200	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	209507	55.735	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	33751	47.061	ug/L	86
69) 1,3,5-Trichlorobenzene	12.586	180	154365	55.819	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	145903	54.964	ug/L	98
71) Naphthalene	13.442	128	464047	54.716	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	147401	57.949	ug/L	99

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

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