

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032124\
 Data File : VW034801.D
 Acq On : 21 Mar 2024 20:20
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050301

Quant Time: Mar 22 02:07:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:59:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	295207	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	282900	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	148314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112348	43.901	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.800%
7) Chloroethane-d5	1.529	69	96688	48.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.056	65	39345	33.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.000%
21) 2-Butanone-d5	3.793	46	186175	108.786	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.790%
24) Chloroform-d	4.246	84	233023	51.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.940	65	154014	52.087	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.180%
32) Benzene-d6	4.957	84	428671	50.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.420%
36) 1,2-Dichloropropane-d6	5.989	67	133870	51.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.760%
41) Toluene-d8	7.243	98	385147	49.848	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.700%
43) trans-1,3-Dichloroprop...	7.551	79	70844	54.143	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.280%
47) 2-Hexanone-d5	8.024	63	119605	91.923	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.920%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	188502	54.973	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.940%
66) 1,2-Dichlorobenzene-d4	11.558	152	155380	51.254	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	106730	34.468	ug/L	100
3) Chloromethane	1.217	50	120456	39.589	ug/L	99
5) Vinyl chloride	1.285	62	116618	39.484	ug/L	98
6) Bromomethane	1.487	94	82110	46.335	ug/L	99
8) Chloroethane	1.545	64	80308	45.746	ug/L	97
9) Trichlorofluoromethane	1.709	101	155202	35.090	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	79259	33.249	ug/L	97
12) 1,1-Dichloroethene	2.066	96	77158	34.905	ug/L	93
13) Acetone	2.124	43	152241	73.998	ug/L	98
14) Carbon disulfide	2.240	76	220826	35.996	ug/L	100
15) Methyl Acetate	2.375	43	159959	60.773	ug/L	99
16) Methylene chloride	2.445	84	129917	55.407	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	100596	47.018	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	453895	59.075	ug/L	99
19) 1,1-Dichloroethane	3.111	63	229029	54.645	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	129501	55.786	ug/L	94
22) 2-Butanone	3.870	43	216430	106.531	ug/L	95
23) Bromochloromethane	4.146	128	68547	57.104	ug/L	99
25) Chloroform	4.275	83	240585	55.382	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	199877	56.631	ug/L	100
29) Cyclohexane	4.580	56	142328	38.249	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	197979	48.803	ug/L	99
31) Carbon tetrachloride	4.735	117	165200	45.996	ug/L	100
33) Benzene	5.008	78	460593	52.452	ug/L	100
34) Trichloroethene	5.831	95	122800	49.197	ug/L	97
35) Methylcyclohexane	6.050	83	144672	38.125	ug/L	99
37) 1,2-Dichloropropane	6.091	63	133318	57.989	ug/L	100
38) Bromodichloromethane	6.432	83	182102	56.312	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	212549	57.063	ug/L	96
40) 4-Methyl-2-pentanone	7.156	43	424163	125.121	ug/L	98
42) Toluene	7.313	91	489858	52.709	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	206860	57.743	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	135480	61.076	ug/L	99
46) Tetrachloroethene	7.905	164	86776	46.746	ug/L	99
48) 2-Hexanone	8.075	43	337824	125.059	ug/L	97
49) Dibromochloromethane	8.175	129	142557	60.900	ug/L	99
50) 1,2-Dibromoethane	8.281	107	138837	58.982	ug/L	98
51) Chlorobenzene	8.812	112	331257	55.135	ug/L	99
52) Ethylbenzene	8.943	91	547338	52.561	ug/L	99
53) m,p-Xylene	9.072	106	205143	51.914	ug/L	100
54) o-Xylene	9.477	106	211956	54.776	ug/L	99
55) Styrene	9.493	104	367550	56.101	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	210991	63.328	ug/L	98
59) Bromoform	9.664	173	107243	65.218	ug/L	98
60) Isopropylbenzene	9.866	105	548479	52.288	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	178011	62.876	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	467751	52.863	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	478201	54.643	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	262859	54.199	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	273920	55.617	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	279434	57.499	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	49458	58.645	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	181431	49.866	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	157199	48.017	ug/L	98
71) Naphthalene	13.438	128	416534	47.564	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	157041	49.172	ug/L	99

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

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