

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121123\
 Data File : VV033227.D
 Acq On : 11 Dec 2023 20:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050356

Quant Time: Dec 12 03:26:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	304043	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	303055	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	184386	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75368	41.466	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.940%
7) Chloroethane-d5	1.529	69	59180	46.730	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.460%
11) 1,1-Dichloroethene-d2	2.060	65	29692	42.942	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.880%
21) 2-Butanone-d5	3.780	46	100369	111.181	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.180%
24) Chloroform-d	4.249	84	189959	49.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
26) 1,2-Dichloroethane-d4	4.940	65	119970	50.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.060%
32) Benzene-d6	4.960	84	341534	48.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
36) 1,2-Dichloropropane-d6	5.989	67	91702	48.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.240%
41) Toluene-d8	7.243	98	331000	48.955	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.900%
43) trans-1,3-Dichloroprop...	7.551	79	57115	47.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.800%
47) 2-Hexanone-d5	8.021	63	87599	114.419	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.420%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	148357	54.763	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.520%
66) 1,2-Dichlorobenzene-d4	11.561	152	160629	48.962	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	156863	47.200	ug/L	99
3) Chloromethane	1.214	50	108558	49.526	ug/L	98
5) Vinyl chloride	1.281	62	106362	50.596	ug/L	97
6) Bromomethane	1.484	94	70074	51.085	ug/L	100
8) Chloroethane	1.548	64	57273	51.174	ug/L	98
9) Trichlorofluoromethane	1.712	101	184539	53.200	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	86808	53.292	ug/L	97
12) 1,1-Dichloroethene	2.069	96	80923	53.088	ug/L	97
13) Acetone	2.108	43	76059	88.254	ug/L	99
14) Carbon disulfide	2.240	76	251666	46.018	ug/L	100
15) Methyl Acetate	2.371	43	76584	53.317	ug/L	98
16) Methylene chloride	2.445	84	99204	49.149	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	99211	49.571	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	319397	52.534	ug/L	99
19) 1,1-Dichloroethane	3.111	63	166778	50.348	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	112987	53.205	ug/L	96
22) 2-Butanone	3.860	43	105673	96.351	ug/L	96
23) Bromochloromethane	4.146	128	61545	50.473	ug/L	97
25) Chloroform	4.275	83	196631	51.615	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	159236	52.895	ug/L	100
29) Cyclohexane	4.584	56	136011	48.590	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	194588	51.955	ug/L	99
31) Carbon tetrachloride	4.735	117	181734	52.185	ug/L	100
33) Benzene	5.011	78	398007	51.826	ug/L	100
34) Trichloroethene	5.831	95	114128	49.744	ug/L	98
35) Methylcyclohexane	6.050	83	170570	51.225	ug/L	97
37) 1,2-Dichloropropane	6.092	63	92590	52.095	ug/L	99
38) Bromodichloromethane	6.432	83	148004	51.654	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	170809	52.963	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	212239	112.469	ug/L	99
42) Toluene	7.317	91	458648	52.999	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	168433	51.649	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	109216	52.998	ug/L	98
46) Tetrachloroethene	7.905	164	101810	51.620	ug/L	97
48) 2-Hexanone	8.072	43	168243	107.532	ug/L	98
49) Dibromochloromethane	8.175	129	132081	53.690	ug/L	100
50) 1,2-Dibromoethane	8.281	107	116133	52.858	ug/L	98
51) Chlorobenzene	8.815	112	315323	51.815	ug/L	98
52) Ethylbenzene	8.947	91	521024	52.306	ug/L	99
53) m,p-Xylene	9.072	106	206964	52.466	ug/L	96
54) o-Xylene	9.477	106	204330	52.493	ug/L	100
55) Styrene	9.493	104	369654	54.895	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	152788	54.266	ug/L	99
59) Bromoform	9.664	173	107836	53.886	ug/L	98
60) Isopropylbenzene	9.866	105	560774	52.746	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	126086	54.840	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	456613	53.307	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	473688	53.100	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	290429	51.133	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	300103	50.864	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	291096	52.277	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	39091	55.411	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	225660	49.600	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	210267	50.024	ug/L	99
71) Naphthalene	13.438	128	596440	58.185	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	217004	53.503	ug/L	99

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

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