

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120723\
 Data File : VW033131.D
 Acq On : 07 Dec 2023 08:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Quant Time: Dec 08 01:32:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 01:18:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	307463	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	307666	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	189659	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69188	37.643	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.280%		
7) Chloroethane-d5	1.529	69	52311	40.847	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.700%		
11) 1,1-Dichloroethene-d2	2.060	65	27665	39.565	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.140%		
21) 2-Butanone-d5	3.780	46	83705	91.691	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.690%		
24) Chloroform-d	4.246	84	172393	44.196	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.400%		
26) 1,2-Dichloroethane-d4	4.941	65	108281	44.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.300%		
32) Benzene-d6	4.960	84	310771	43.189	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.380%		
36) 1,2-Dichloropropane-d6	5.986	67	84836	43.849	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.700%		
41) Toluene-d8	7.240	98	301128	43.869	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.740%		
43) trans-1,3-Dichloroprop...	7.551	79	49887	40.777	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.560%		
47) 2-Hexanone-d5	8.021	63	66167	85.130	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.130%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	133217	48.437	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.880%		
66) 1,2-Dichlorobenzene-d4	11.561	152	150197	44.510	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	157450	46.849	ug/L	99
3) Chloromethane	1.214	50	99926	45.081	ug/L	100
5) Vinyl chloride	1.282	62	100127	47.100	ug/L	100
6) Bromomethane	1.484	94	66432	47.891	ug/L	100
8) Chloroethane	1.549	64	53066	46.887	ug/L	98
9) Trichlorofluoromethane	1.712	101	174791	49.829	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	84374	51.221	ug/L	98
12) 1,1-Dichloroethene	2.069	96	78012	50.609	ug/L	93
13) Acetone	2.108	43	57929	66.469	ug/L	98
14) Carbon disulfide	2.240	76	248522	44.938	ug/L	99
15) Methyl Acetate	2.368	43	68530	47.179	ug/L	96
16) Methylene chloride	2.446	84	99641	48.816	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	97374	48.112	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	297356	48.365	ug/L	100
19) 1,1-Dichloroethane	3.111	63	160440	47.896	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	105401	49.081	ug/L	99
22) 2-Butanone	3.860	43	86461	77.957	ug/L	98
23) Bromochloromethane	4.146	128	60320	48.918	ug/L	97
25) Chloroform	4.272	83	191656	49.749	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	153705	50.490	ug/L	99
29) Cyclohexane	4.581	56	131977	46.443	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	188985	49.702	ug/L	99
31) Carbon tetrachloride	4.735	117	178616	50.521	ug/L	99
33) Benzene	5.008	78	388668	49.852	ug/L	100
34) Trichloroethene	5.831	95	109767	47.126	ug/L	98
35) Methylcyclohexane	6.050	83	163259	48.294	ug/L	99
37) 1,2-Dichloropropane	6.092	63	88053	48.800	ug/L	98
38) Bromodichloromethane	6.429	83	145503	50.020	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	150925	46.096	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	180126	94.021	ug/L	98
42) Toluene	7.314	91	450943	51.328	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	158704	47.936	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	102223	48.861	ug/L	98
46) Tetrachloroethene	7.905	164	99633	49.760	ug/L	97
48) 2-Hexanone	8.072	43	130359	82.070	ug/L	98
49) Dibromochloromethane	8.175	129	126504	50.653	ug/L	100
50) 1,2-Dibromoethane	8.281	107	112206	50.306	ug/L	98
51) Chlorobenzene	8.812	112	306372	49.589	ug/L	99
52) Ethylbenzene	8.944	91	506062	50.043	ug/L	99
53) m,p-Xylene	9.072	106	202278	50.510	ug/L	95
54) o-Xylene	9.477	106	197940	50.089	ug/L	99
55) Styrene	9.494	104	355057	51.937	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	141137	49.377	ug/L	98
59) Bromoform	9.664	173	99662	48.417	ug/L	98
60) Isopropylbenzene	9.866	105	544638	49.804	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	114116	48.253	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	438029	49.716	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	459175	50.042	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	283476	48.521	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	293928	48.433	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	282690	49.356	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	33039	45.530	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	221306	47.290	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	198389	45.886	ug/L	98
71) Naphthalene	13.439	128	476073	45.151	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	203973	48.892	ug/L	99

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

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