

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033019.D
 Acq On : 20 Nov 2023 13:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050333

Quant Time: Nov 20 23:34:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:27:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	382994	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	377267	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	226024	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	95471	47.677	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.360%		
7) Chloroethane-d5	1.529	69	74358	48.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.560%		
11) 1,1-Dichloroethene-d2	2.057	65	38822	47.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.760%		
21) 2-Butanone-d5	3.780	46	123124	96.639	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.640%		
24) Chloroform-d	4.246	84	241084	48.852	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.700%		
26) 1,2-Dichloroethane-d4	4.937	65	146618	47.628	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.260%		
32) Benzene-d6	4.957	84	449521	51.166	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.340%		
36) 1,2-Dichloropropane-d6	5.986	67	130088	52.217	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.440%		
41) Toluene-d8	7.240	98	424988	50.673	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.340%		
43) trans-1,3-Dichloroprop...	7.548	79	74689	51.353	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.700%		
47) 2-Hexanone-d5	8.021	63	104296	101.167	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.170%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	179841	47.423	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.840%		
66) 1,2-Dichlorobenzene-d4	11.561	152	200125	49.652	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	192378	46.493	ug/L	98
3) Chloromethane	1.214	50	145014	46.962	ug/L	98
5) Vinyl chloride	1.282	62	135510	47.307	ug/L	99
6) Bromomethane	1.484	94	89955	47.524	ug/L	98
8) Chloroethane	1.545	64	73633	46.475	ug/L	100
9) Trichlorofluoromethane	1.712	101	214009	46.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	109349	47.821	ug/L	99
12) 1,1-Dichloroethene	2.069	96	99213	46.991	ug/L	92
13) Acetone	2.108	43	109553	87.882	ug/L	100
14) Carbon disulfide	2.240	76	336275	47.889	ug/L	99
15) Methyl Acetate	2.368	43	103086	47.170	ug/L	96
16) Methylene chloride	2.446	84	139964	46.792	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	132972	49.212	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	422094	49.799	ug/L	99
19) 1,1-Dichloroethane	3.108	63	232021	48.071	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	146974	48.513	ug/L	99
22) 2-Butanone	3.857	43	150242	93.081	ug/L	98
23) Bromochloromethane	4.143	128	77504	46.512	ug/L	93
25) Chloroform	4.272	83	259052	47.685	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	195819	46.206	ug/L	97
29) Cyclohexane	4.577	56	191296	52.555	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	238812	48.464	ug/L	99
31) Carbon tetrachloride	4.732	117	215272	46.880	ug/L	98
33) Benzene	5.005	78	527255	50.245	ug/L	100
34) Trichloroethene	5.828	95	147253	49.784	ug/L	97
35) Methylcyclohexane	6.047	83	220797	51.359	ug/L	99
37) 1,2-Dichloropropane	6.088	63	126623	49.161	ug/L	99
38) Bromodichloromethane	6.429	83	194911	48.703	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	230934	52.079	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	281378	99.872	ug/L	99
42) Toluene	7.314	91	587091	50.492	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	226857	50.912	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	139369	48.046	ug/L	98
46) Tetrachloroethene	7.902	164	124041	48.123	ug/L	97
48) 2-Hexanone	8.069	43	219243	98.363	ug/L	99
49) Dibromochloromethane	8.175	129	161522	48.313	ug/L	99
50) 1,2-Dibromoethane	8.278	107	148504	48.882	ug/L	99
51) Chlorobenzene	8.812	112	394809	47.850	ug/L	98
52) Ethylbenzene	8.944	91	665218	49.837	ug/L	98
53) m,p-Xylene	9.072	106	260382	49.650	ug/L	95
54) o-Xylene	9.477	106	253052	50.127	ug/L	99
55) Styrene	9.493	104	452274	50.224	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	194216	47.396	ug/L	99
59) Bromoform	9.664	173	125233	47.543	ug/L	100
60) Isopropylbenzene	9.866	105	694695	50.700	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	152789	46.859	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	565768	51.464	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	594498	51.620	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	355939	48.486	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	366969	47.028	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	356503	48.397	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	44373	46.780	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	281744	49.366	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	267373	51.119	ug/L	97
71) Naphthalene	13.439	128	682688	52.772	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	257699	50.817	ug/L	100

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

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