

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121823\
 Data File : VX039298.D
 Acq On : 18 Dec 2023 09:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050707

Quant Time: Dec 18 21:41:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	223018	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	207379	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	102733	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	69564	39.768	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.540%
7) Chloroethane-d5	1.666	69	50866	39.341	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.680%
11) 1,1-Dichloroethene-d2	2.300	65	36516	47.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.120%
21) 2-Butanone-d5	4.452	46	162219	102.450	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.450%
24) Chloroform-d	5.056	84	155648	50.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.520%
26) 1,2-Dichloroethane-d4	5.952	65	104493	52.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.220%
32) Benzene-d6	5.970	84	304118	47.517	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.040%
36) 1,2-Dichloropropane-d6	7.306	67	97952	47.557	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.120%
41) Toluene-d8	8.647	98	276128	47.608	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.220%
43) trans-1,3-Dichloroprop...	8.945	79	49549	47.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.540%
47) 2-Hexanone-d5	9.384	63	120315	97.802	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.800%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	142836	48.885	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.780%
66) 1,2-Dichlorobenzene-d4	12.317	152	93400	48.099	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	97932	55.063	ug/L	97
3) Chloromethane	1.301	50	92741	49.889	ug/L	99
5) Vinyl chloride	1.374	62	88638	48.380	ug/L	98
6) Bromomethane	1.605	94	48019	48.557	ug/L	96
8) Chloroethane	1.685	64	50655	48.905	ug/L	96
9) Trichlorofluoromethane	1.886	101	129593	54.577	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	86967	56.938	ug/L	99
12) 1,1-Dichloroethene	2.319	96	77074	53.646	ug/L	88
13) Acetone	2.380	43	180309	118.536	ug/L	95
14) Carbon disulfide	2.508	76	230724	50.467	ug/L	99
15) Methyl Acetate	2.703	43	124844	57.420	ug/L	98
16) Methylene chloride	2.788	84	88365	53.532	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	79910	52.789	ug/L	94
18) Methyl tert-butyl Ether	3.111	73	287555	54.573	ug/L	97
19) 1,1-Dichloroethane	3.605	63	162045	54.139	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	91994	52.394	ug/L	95
22) 2-Butanone	4.556	43	209590	112.272	ug/L	99
23) Bromochloromethane	4.897	128	43927	53.221	ug/L	90
25) Chloroform	5.093	83	165208	55.338	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	140450	59.606	ug/L #	94
29) Cyclohexane	5.471	56	151157	52.105	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	139776	55.551	ug/L	98
31) Carbon tetrachloride	5.678	117	115955	55.235	ug/L	100
33) Benzene	6.037	78	343440	52.113	ug/L	100
34) Trichloroethene	7.123	95	94382	54.191	ug/L	96
35) Methylcyclohexane	7.379	83	151555	52.248	ug/L	96
37) 1,2-Dichloropropane	7.427	63	95077	52.019	ug/L	100
38) Bromodichloromethane	7.818	83	122362	55.042	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	152956	52.470	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	339353	110.782	ug/L	99
42) Toluene	8.714	91	363591	52.026	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	144370	53.368	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	89392	53.369	ug/L	99
46) Tetrachloroethene	9.275	164	61438	53.474	ug/L	98
48) 2-Hexanone	9.427	43	287318	112.066	ug/L	97
49) Dibromochloromethane	9.519	129	87432	53.580	ug/L	99
50) 1,2-Dibromoethane	9.610	107	94780	52.818	ug/L	96
51) Chlorobenzene	10.079	112	224201	51.937	ug/L	96
52) Ethylbenzene	10.195	91	415575	53.191	ug/L	98
53) m,p-Xylene	10.299	106	153008	52.380	ug/L	98
54) o-Xylene	10.640	106	147889	52.761	ug/L	97
55) Styrene	10.652	104	252267	52.599	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	154259	52.771	ug/L	100
59) Bromoform	10.799	173	61947	51.306	ug/L	100
60) Isopropylbenzene	10.963	105	404984	53.949	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	124211	55.193	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	342469	54.038	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	336415	54.135	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	170796	53.157	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	171262	52.601	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	164787	53.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	40373	57.482	ug/L	94
69) 1,3,5-Trichlorobenzene	13.115	180	114822	54.037	ug/L	100
70) 1,2,4-trichlorobenzene	13.591	180	105998	52.915	ug/L	99
71) Naphthalene	13.774	128	369234	53.746	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	104453	53.853	ug/L	98

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

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