

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039231.D
 Acq On : 15 Dec 2023 15:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050703

Quant Time: Dec 16 01:51:21 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	220600	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	203567	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	102135	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	72187	41.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.440%
7) Chloroethane-d5	1.666	69	55465	43.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.740%
11) 1,1-Dichloroethene-d2	2.306	65	35590	46.858	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.720%
21) 2-Butanone-d5	4.446	46	161739	103.266	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.270%
24) Chloroform-d	5.050	84	155041	50.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.240%
26) 1,2-Dichloroethane-d4	5.952	65	105686	53.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.560%
32) Benzene-d6	5.970	84	294586	46.890	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.780%
36) 1,2-Dichloropropane-d6	7.306	67	97002	47.977	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.960%
41) Toluene-d8	8.647	98	263525	46.286	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.580%
43) trans-1,3-Dichloroprop...	8.945	79	48206	46.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.700%
47) 2-Hexanone-d5	9.378	63	121007	100.207	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.210%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	144913	50.525	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.040%
66) 1,2-Dichlorobenzene-d4	12.317	152	93530	48.448	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	98455	55.964	ug/L	100
3) Chloromethane	1.294	50	93497	50.847	ug/L	99
5) Vinyl chloride	1.374	62	88159	48.646	ug/L	97
6) Bromomethane	1.605	94	49047	50.140	ug/L	95
8) Chloroethane	1.685	64	49966	48.768	ug/L	98
9) Trichlorofluoromethane	1.886	101	128078	54.531	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	83333	55.157	ug/L	98
12) 1,1-Dichloroethene	2.319	96	75492	53.121	ug/L	92
13) Acetone	2.373	43	143817	95.583	ug/L	94
14) Carbon disulfide	2.514	76	226989	50.194	ug/L	99
15) Methyl Acetate	2.697	43	113551	52.799	ug/L	99
16) Methylene chloride	2.788	84	85912	52.617	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	79057	52.798	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	277620	53.265	ug/L	97
19) 1,1-Dichloroethane	3.605	63	155835	52.634	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	89862	51.741	ug/L	97
22) 2-Butanone	4.550	43	179973	97.463	ug/L	100
23) Bromochloromethane	4.897	128	41889	51.308	ug/L	99
25) Chloroform	5.086	83	158876	53.800	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	134533	57.721	ug/L #	94
29) Cyclohexane	5.470	56	148506	52.150	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	136840	55.403	ug/L	99
31) Carbon tetrachloride	5.672	117	109796	53.281	ug/L	99
33) Benzene	6.031	78	327160	50.572	ug/L	100
34) Trichloroethene	7.123	95	92301	53.988	ug/L	95
35) Methylcyclohexane	7.379	83	148496	52.152	ug/L	97
37) 1,2-Dichloropropane	7.427	63	93770	52.264	ug/L	100
38) Bromodichloromethane	7.818	83	116947	53.591	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	146922	51.344	ug/L	97
40) 4-Methyl-2-pentanone	8.567	43	314459	104.577	ug/L	99
42) Toluene	8.714	91	350895	51.150	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	139174	52.410	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	85246	51.846	ug/L	98
46) Tetrachloroethene	9.269	164	59139	52.437	ug/L	94
48) 2-Hexanone	9.427	43	269513	107.090	ug/L	99
49) Dibromochloromethane	9.519	129	83913	52.387	ug/L	96
50) 1,2-Dibromoethane	9.610	107	90581	51.423	ug/L	97
51) Chlorobenzene	10.079	112	220223	51.971	ug/L	99
52) Ethylbenzene	10.195	91	406835	53.048	ug/L	99
53) m,p-Xylene	10.299	106	147361	51.391	ug/L	96
54) o-Xylene	10.640	106	142222	51.690	ug/L	95
55) Styrene	10.652	104	245138	52.070	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.207	83	147892	51.540	ug/L	98
59) Bromoform	10.799	173	59408	49.492	ug/L	99
60) Isopropylbenzene	10.963	105	395693	53.020	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	118973	53.175	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	335692	53.279	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	332751	53.859	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	166668	52.176	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	167515	51.751	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	159260	52.120	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	38213	54.725	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	111554	52.806	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	105278	52.864	ug/L	98
71) Naphthalene	13.774	128	357462	52.338	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	100152	51.938	ug/L	98

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

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